LEUKOCYTE EXPRESSION PROFILING

Related Applications

[0001] This application claims the benefit under 35 U.S.C. §119(e) of United States provisional patent application number 60/241,994 filed October 20, 2000 and United States provisional patent application number 60/296,764 filed June 8, 2001 which are hereby incorporated by reference in their entirety.

Field of the Invention

[0002] This invention is in the field of expression profiling. In particular, this invention is in the field of leukocyte expression profiling.

Background of the Invention

[0003] Many of the current shortcomings in diagnosis, prognosis, risk stratification and treatment of disease can be approached through the identification of the molecular mechanisms underlying a disease and through the discovery of nucleotide sequences (or sets of nucleotide sequences) whose expression patterns predict the occurrence or progression of disease states, or predict a patient's response to a particular therapeutic intervention. In particular, identification of nucleotide sequences and sets of nucleotide sequences with such predictive value from cells and tissues that are readily accessible would be extremely valuable. For example, peripheral blood is attainable from all patients and can easily be obtained at multiple time points at low cost. This is a desirable contrast to most other cell and tissue types, which are less readily accessible, or accessible only through invasive and aversive procedures. In addition, the various cell types present in circulating blood are ideal for expression profiling experiments as the many cell types in the blood specimen can be easily separated if desired prior to analysis of gene expression. While blood provides a very attractive substrate for the study of diseases using expression profiling techniques, and for the development of diagnostic technologies and the identification of therapeutic targets, the value of expression profiling in blood samples rests on the degree to which changes in gene expression in these cell types are associated with a predisposition to, and pathogenesis and progression of a disease.

[0004] There is an extensive literature supporting the role of leukocytes, e.g., T-and B-lymphocytes, monocytes and granulocytes, including neutrophils, in a wide range of disease processes, including such broad classes as cardiovascular diseases, inflammatory, autoimmune and rheumatic diseases, infectious diseases, transplant rejection, cancer and malignancy, and endocrine diseases. For example, among cardiovascular diseases, such commonly occurring diseases as atherosclerosis, restenosis, transplant vasculopathy and acute coronary syndromes all demonstrate significant T cell involvement (Smith-Norowitz et al. (1999) Clin Immunol 93:168-175; Jude et al. (1994) Circulation 90:1662-8; Belch et al. (1997) Circulation 95:2027-31). These diseases are now recognized as manifestations of chronic inflammatory disorders resulting from an ongoing response to an injury process in the arterial tree (Ross et al. (1999) Ann Thorac Surg 67:1428-33). Differential expression of lymphocyte, monocyte and neutrophil genes and their products has been demonstrated clearly in the literature. Particularly interesting are examples of differential expression in circulating cells of the immune system that demonstrate specificity for a particular disease, such as arteriosclerosis, as opposed to a generalized association with other inflammatory diseases, or for example, with unstable angina rather than quiescent coronary disease.

[0005] A number of individual genes, e.g., CD11b/CD18 (Kassirer et al. (1999) Am Heart J 138:555-9); leukocyte elastase (Amaro et al. (1995) Eur Heart J 16:615-22; and CD40L (Aukrust et al. (1999) Circulation 100:614-20) demonstrate some degree of sensitivity and specificity as markers of various vascular diseases. In addition, the identification of differentially expressed target and fingerprint genes isolated from purified populations of monocytes manipulated in various in vitro paradigms has been proposed for the diagnosis and monitoring of a range of cardiovascular diseases, see, e.g., US Patents Numbers 6,048,709; 6,087,477; 6,099,823; and 6,124,433 "COMPOSITIONS AND METHODS FOR THE TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE" to Falb (see also, WO 97/30065). Lockhart, in US Patent Number 6,033,860 "EXPRESSION PROFILES IN ADULT AND FETAL ORGANS" proposes the use of expression profiles for a subset of identified genes in the identification of tissue samples, and the monitoring of drug effects.

[0006] The accuracy of technologies based on expression profiling for the diagnosis, prognosis, and monitoring of disease would be dramatically increased if numerous differentially expressed nucleotide sequences, each with a measure of specificity for a disease in question, could be identified and assayed in a concerted manner. In order to achieve this improved accuracy, the appropriate sets of nucleotide sequences need to be identified and validated against numerous samples in combination with relevant clinical data. The present invention addresses these and other needs, and applies to any disease or disease state for which differential regulation of genes, or other nucleotide sequences, of peripheral blood can be demonstrated.

Summary of the Invention

[0007] The present invention is thus directed to a system for detecting differential gene expression. In one format, the system has one or more isolated DNA molecules wherein each isolated DNA molecule detects expression of a gene selected from the group of genes corresponding to the oligonucleotides depicted in the Sequence Listing. It is understood that the DNA sequences and oligonucleotides of the invention may have slightly different sequences that those identified herein. Such sequence variations are understood to those of ordinary skill in the art to be variations in the sequence which do not significantly affect the ability of the sequences to detect gene expression.

The sequences encompassed by the invention have at least 40-50, 50-60, 70-80, 80-85, 85-90, 90-95 or 95-100% sequence identity to the sequences disclosed herein. In some embodiments, DNA molecules are less than about any of the following lengths (in bases or base pairs): 10,000; 5,000; 2500; 2000; 1500; 1250; 1000; 750; 500; 300; 250; 200; 175; 150; 125; 100; 75; 50; 25; 10. In some embodiments, DNA molecule is greater than about any of the following lengths (in bases or base pairs): 10; 15; 20; 25; 30; 40; 50; 60; 75; 100; 125; 150; 175; 200; 250; 300; 350; 400; 500; 750; 1000; 2000; 5000; 7500; 10000; 20000; 50000. Alternately, a DNA molecule can be any of a range of sizes having an upper limit of 10,000; 5,000; 2500; 2000; 1500; 1250; 1000; 750; 500; 300; 250; 200; 175; 150; 125; 100; 75; 50; 25; or 10 and an independently selected lower limit of 10; 15; 20; 25; 30; 40; 50; 60; 75; 100; 125; 150; 175; 200; 250; 300; 350; 400; 500; 750; 1000; 2000; 5000; 7500 wherein the lower limit is less than the upper limit.

[0008] The gene expression system may be a candidate library, a diagnostic agent, a diagnostic oligonucleotide set or a diagnostic probe set. The DNA molecules may be genomic DNA, protein nucleic acid (PNA), cDNA or synthetic oligonucleotides.

[0009] In one format, the gene expression system is immobilized on an array. The array may be a chip array, a plate array, a bead array, a pin array, a membrane array, a solid surface array, a liquid array, an oligonucleotide array, a polynucleotide array, a cDNA array, a microfilter plate, a membrane or a chip.

[0010] In one format, the genes detected by the gene expression system are selected from the group of genes corresponding to the oligonucleotides depicted in SEQ ID NO:2476, SEQ ID NO: 2407, SEQ ID NO:2192, SEQ ID NO: 2283, SEQ ID NO:6025, SEQ ID NO: 4481, SEQ ID NO:3761, SEQ ID NO: 3791, SEQ ID NO:4476, SEQ ID NO: 4398, SEQ ID NO:7401, SEQ ID NO: 1796, SEQ ID NO:4423, SEQ ID NO: 4429, SEQ ID NO:4430, SEQ ID NO: 4767, SEQ ID NO:4829 and SEQ ID NO: 8091.

[0011] The present invention is further directed to a diagnostic agent comprising an oligonucleotide wherein the oligonucleotide has a nucleotide sequence selected from the Sequence Listing wherein the oligonucleotide detects expression of a gene that is differentially expressed in leukocytes in an individual over time. In one format, the oligonucleotide has a nucleotide sequence selected from the group consisting of SEQ ID NO:2476, SEQ ID NO: 2407, SEQ ID NO:2192, SEQ ID NO: 2283, SEQ ID NO:6025, SEQ ID NO: 4481, SEQ ID NO:3761, SEQ ID NO: 3791, SEQ ID NO:4476, SEQ ID NO: 4398, SEQ ID NO:7401, SEQ ID NO: 1796, SEQ ID NO:4423, SEQ ID NO: 4429, SEQ ID NO:4430, SEQ ID NO: 4767, SEQ ID NO:4829 and SEQ ID NO: 8091

[0012] The present invention is futher directed to a system for detecting gene expression in leukocytes comprising an isolated DNA molecule wherein the isolated DNA molecule detects expression of a gene wherein the gene is selected from the group of genes corresponding to the oligonucleotides depicted in the Sequence Listing and the gene is differentially expressed in the leukocytes in an individual with at least one disease criterion for a disease selected from Table 1 as compared to the expression of the gene in leukocytes in an individual without the at least one disease criterion.

[0013] The present invention is further directed to a gene expression candidate library comprising at least two oligonucleotides wherein the oligonucleotides have a sequence

selected from those oligonucleotide sequences listed in Table 2, Table 3, and the Sequence Listing. Table 3 encompasses Tables 3A, 3B and 3C. The oligonucleotides of the candidate library may comprise deoxyribonucleic acid (DNA), ribonucleic acid (RNA), protein nucleic acid (PNA), synthetic oligonucleotides, or genomic DNA.

[0014] In one embodiment, the candidate library is immobilized on an array. The array may comprises one or more of: a chip array, a plate array, a bead array, a pin array, a membrane array, a solid surface array, a liquid array, an oligonucleotide array, a polynucleotide array or a cDNA array, a microtiter plate, a pin array, a bead array, a membrane or a chip. Individual members of the libraries are may be separately immobilized.

[0015] The present invention is further directed to a diagnostic oligonucleotide set for a disease having at least two oligonucleotides wherein the oligonucleotides have a sequence selected from those oligonucleotide sequences listed in Table 2, Table 3, or the Sequence Listing which are differentially expressed in leukocytes genes in an individual with at least one disease criterion for at least one leukocyte-related disease as compared to the expression in leukocytes in an individual without the at least one disease criterion, wherein expression of the two or more genes of the gene expression library is correlated with at least one disease criterion.

[0016] The present invention is further directed to a diagnostic oligonucleotide set for a disease having at least one oligonucleotide wherein the oligonucleotide has a sequence selected from those sequences listed in Table 2, Table 3, or the sequence listing which is differentially expressed in leukocytes in an individual with at least one disease criterion for a disease selected from Table 1 as compared toleukocytes in an individual without at least one disease criterion, wherein expression of the at least one gene from the gene expression library is correlated with at least one disease criterion, wherein the differential expression of the at least one gene has not previously been described. In one format, two or more oligonucleotides are utilized.

[0017] In the diagnostic oligonucleotide sets of the invention the disease criterion may include data selected from patient historic, diagnostic, prognostic, risk prediction, therapeutic progress, and therapeutic outcome data. This includes lab results, radiology

results, pathology results such as histology, cytology and the like, physical examination findings, and medication lists.

[0018] In the diagnostic oligonucleotide sets of the invention the leukocytes comprise peripheral blood leukocytes or leukocytes derived from a non-blood fluid. The non-blood fluid may be selected from colon, sinus, spinal fluid, saliva, lymph fluid, esophagus, small bowel, pancreatic duct, biliary tree, ureter, vagina, cervix uterus and pulmonary lavage fluid.

[0019] In the diagnostic oligonucleotide sets of the invention the leukocytes may include leukocytes derived from urine or a joint biopsy sample or biopsy of any other tissue or may be T-lymphocytes.

[0020] In the diagnostic oligonucleotide sets of the invention the disease may be selected from cardiac allograft rejection, kidney allograft rejection, liver allograft rejection, atherosclerosis, congestive heart failure, systemic lupus erythematosis (SLE), rheumatoid arthritis, osteoarthritis, and cytomegalovirus infection.

[0021] The diagnostic oligonucleotide sets of the invention may further include one or more cytomegalovirus (CMV) nucleotide sequences, wherein expression of the CMV nucleotide sequence is correlated with CMV infection.

[0022] The diagnostic nucleotide sets of the invention may further include one or more Epstein-Barr virus (EBV) nucleotide sequences, wherein expression of the one or more EBV nucleotide sequences is correlated with EBV infection.

[0023] In the present invention, expression may be differential expression, wherein the differential expression is one or more of a relative increase in expression, a relative decrease in expression, presence of expression or absence of expression, presence of disease or absence of disease. The differential expression may be RNA expression or protein expression. The differential expression may be between two or more samples from the same patient taken on separate occasions or between two or more separate patients or between two or more genes relative to each other.

[0024] The present invention is further directed to a diagnostic probe set for a disease where the probes correspond to at least one oligonucleotide wherein the oligonucleotides have a sequence ssuch as those listed in Table 2, Table 3, or the Sequence Listing which is differentially expressed in leukocytes in an individual with at least one disease criterion

for a disease selected from Table 1 as comapared to leukocytes in an individual without the at least one disease criterion, wherein expression of the oligonucleotide is correlated with at least one disease criterion, and further wherein the differential expression of the at least one nucleotide sequence has not previously been described.

[0025] The present invention is further directed to a diagnostic probe set wherein the probes include one or more of probes useful for proteomics and probes for nucleic acids cDNA, or synthetic oligonucleotides.

[0026] The present invention is further directed to an isolated nucleic acid having a sequences such as those listed in Table 3B or Table 3C or the Sequence Listing.

[0027] The present invention is further directed to polypeptides wherein the polypeptides are encoded by the nucleic acid sequences in Tables 3B, 3C and the Sequence Listing.

[0028] The present invention is further directed to a polynucleotide expression vector containing the polynucleotide of Tables 3B-3C or the Sequence Listing in operative association with a regulatory element which controls expression of the polynucleotide in a host cell. The present invention is further directed to host cells transformed with the expression vectors of the invention. The host cell may be prokaryotic or eukaryotic.

[0029] The present invention is further directed to fusion proteins produced by the host cells of the invention. The present invention is further directed to antibodies directed to the fusion proteins of the invention. The antibodies may be monoclonal or polyclonal antibodies.

[0030] The present invention is further directed to kits comprising the diagnostic oligonucleotide sets of the invention. The kits may include instructions for use of the kit.

[0031] The present invention is further directed to a method of diagnosing a disease by obtaining a leukocyte sample from an individual, hybridizing nucleic acid derived from the leukocyte sample with a diagnostic oligonucleotide set, and comparing the expression of the diagnostic oligonucleotide set with a molecular signature indicative of the presence or absence of the disease.

[0032] The present invention is further directed to a method of detecting gene expression by a) isolating RNA and b) hybridizing the RNA to isolated DNA molecules

wherein the isolated DNA molecules detect expression of a gene wherein the gene corresponds to one of the oligonucleotides depicted in the Sequence Listing.

[0033] The present invention is further directed to a method of detecting gene expression by a) isolating RNA; b) converting the RNA to nucleic acid derived from the RNA and c) hybridizing the nucleic acid derived from the RNA to isolated DNA molecules wherein the isolated DNA molecules detect expression of a gene wherein the gene corresponds to one of the oligonucleotides depicted in the Sequence Listing. In one format, the nucleic acid derived from the RNA is cDNA.

[0034] The present invention is further directed to a method of detecting gene expression by a) isolating RNA; b) converting the RNA to cRNA or aRNA and c) hybridizing the cRNA or aRNA to isolated DNA molecules wherein the isolated DNA molecules detect expression of a gene corresponding to one of the oligonucleotides depicted in the Sequence Listing.

[0035] The present invention is further directed to a method of monitoring progression of a disease by obtaining a leukocyte sample from an individual, hybridizing the nucleic acid derived from leukocyte sample with a diagnostic oligonucleotide set, and comparing the expression of the diagnostic oligonucleotide set with a molecular signature indicative of the presence or absence of disease progression.

[0036] The present invention is further directed to a method of monitoring the rate of progression of a disease by obtaining a leukocyte sample from an individual, hybridizing the nucleic acid derived from leukocyte sample with a diagnostic oligonucleotide set, and comparing the expression of the diagnostic oligonucleotide set with a molecular signature indicative of the presence or absence of disease progression.

[0037] The present invention is further directed to a method of predicting therapeutic outcome by obtaining a leukocyte sample from an individual, hybridizing the nucleic acid derived from leukocyte sample with a diagnostic oligonucleotide set, and comparing the expression of the diagnostic oligonucleotide set with a molecular signature indicative of the predicted therapeutic outcome.

[0038] The present invention is further directed to a method of determining prognosis by obtaining a leukocyte sample from an individual, hybridizing the nucleic acid derived from leukocyte sample with a diagnostic oligonucleotide set, and comparing the

expression of the diagnostic oligonucleotide set with a molecular signature indicative of the prognosis.

[0039] The present invention is further directed to a method of predicting disease complications by obtaining a leukocyte sample from an individual, hybridizing nucleic acid derived from the leukocyte sample with a diagnostic oligonucleotide set, and comparing the expression of the diagnostic oligonucleotide set with a molecular signature indicative of the presence or absence of disease complications.

[0040] The present invention is further directed to a method of monitoring response to treatment, by obtaining a leukocyte sample from an individual, hybridizing the nucleic acid derived from leukocyte sample with a diagnostic oligonucleotide set, and comparing the expression of the diagnostic oligonucleotide set with a molecular signature indicative of the presence or absence of response to treatment.

[0041] In the methods of the invention the invention may further include characterizing the genotype of the individual, and comparing the genotype of the individual with a diagnostic genotype, wherein the diagnostic genotype is correlated with at least one disease criterion. The genotype may be analyzed by one or more methods selected from the group consisting of Southern analysis, RFLP analysis, PCR, single stranded conformation polymorphism and SNP analysis.

[0042] The present invention is further directed to a method of non-invasive imaging by providing an imaging probe for a nucleotide sequence that is differentially expressed in leukocytes from an individual with at least one disease criterion for at least one leukocyte-implicated disease where leukocytes localize at the site of disease, wherein the expression of the at least one nucleotide sequence is correlated with the at least one disease criterion by (a) contacting the probe with a population of leukocytes; (b) allowing leukocytes to localize to the site of disease or injury and (c) detecting an image.

[0043] The present invention is further directed to a control RNA for use in expression profile analysis, where the RNA extracted from the buffy coat samples is from at least four individuals.

[0044] The present invention is further directed to a method of collecting expression profiles, comprising comparing the expression profile of an individual with the expression profile of buffy coat control RNA, and analyzing the profile.

[0045] The present invention is further directed to a method of RNA preparation suitable for diagnostic expression profiling by obtaining a leukocyte sample from a subject, adding actinomycin-D to a final concentration of 1 ug/ml, adding cycloheximide to a final concentration of 10 ug/ml, and extracting RNA from the leukocyte sample. In the method of RNA preparation of the invention the actinomycin-D and cycloheximide may be present in a sample tube to which the leukocyte sample is added. The method may further include centrifuging the sample at 4°C to separate mononuclear cells.

[0046] The present invention is further directed to a leukocyte oligonucleotide set including at least two oligonucleotides which are differentially expressed in leukocytes undergoing adhesion to an endothelium relative to expression in leukocytes not undergoing adhesion to an endothelium, wherein expression of the two oligonucleotides is correlated with the at least one indicator of adhesion state.

[0047] The present invention is further directed to a method of identifying at least one diagnostic probe set for assessing atherosclerosis by (a) providing a library of candidate oligonucleotides, which candidate oligonucleotides are differentially expressed in leukocytes which are undergoing adhesion to an endothelium relative to their expression in leukocytes that are not undergoing adhesion to an endothelium; (b) assessing expression of two or more oligonucleotides, which two or more oligonucleotides correspond to components of the library of candidate oligonucleotides, in a subject sample of leukocytes; (c) correlating expression of the two or more oligonucleotides with at least one criterion, which criterion includes one or more indicators of adhesion to an endothelium; and, (d) recording the molecular signature in a database.

[0048] The present invention is further directed to a method of identifying at least one diagnostic probe set for assessing atherosclerosis by (a) providing a library of candidate oligonucleotides, which candidate oligonucleotides are differentially expressed in leukocytes which are undergoing adhesion to an endothelium relative to their expression in leukocytes that are not undergoing adhesion to an endothelium; (b) assessing expression of two or more oligonucleotides, which two or more oligonucleotides correspond to components of the library of candidate nucleotide sequences, in a subject sample of epithelial cells; (c) correlating expression of the two or

more nucleotide sequences with at least one criterion, which criterion comprises one or more indicator of adhesion to an endothelium; and(d) recording the molecular signature in a database.

[0049] The present invention is further directed to methods of leukocyte expression profiling including methods of analyzing longitudinal clinical and expression data. The rate of change and/or magnitude and direction of change of gene expression can be correlated with disease states and the rate of change of clinical conditions/data and/or the magnitude and direction of changes in clinical data. Correlations may be discovered by examining these expression or clinical changes that are not found in the absence of such changes.

[0050] The present invention is further directed to methods of leukocyte profiling for analysis and/or detection of one or more viruses. The virus may be CMV, HIV, hepatitis or other viruses. Both viral and human leukocyte genes can be subjected to expression profiling for these purposes.

Brief Description of the Sequence Listing

[0051] The table below gives a description of the sequence listing. There are 8830 entries. The Sequence Listing presents 50mer oligonucleotide sequences derived from human leukocyte, plant and viral genes. These are listed as SEQ IDs 1-8143. The 50mer sequences and their sources are also displayed in Table 8. Most of these 50mers were designed from sequences of genes in Tables 2, 3A, B and C and the Sequence listing.

[0052] SEQ IDs 8144-8766 are the cDNA sequences derived from human leukocytes that were not homologous to UniGene sequences or sequences found in dbEST at the time they were searched. Some of these sequences match human genomic sequences and are listed in Tables 3B and C. The remaining clones are putative cDNA sequences that contained less than 50% masked nucleotides when submitted to RepeatMasker, were longer than 147 nucleotides, and did not have significant similarity to the UniGene Unique database, dbEST, the NR nucleotide database of Genbank or the assembled human genome of Genbank.

[0053] SEQ IDs 8767-8770, 8828-8830 and 8832 are sequences that appear in the text and examples (primer, masked sequences, exemplary sequences, etc.).

[0054] SEQ IDs 8771-8827 are CMV PCR primers described in Example 17.

Brief Description of the Figures

[0055] Figure 1: Figure 1 is a schematic flow chart illustrating a schematic instruction set for characterization of the nucleotide sequence and/or the predicted protein sequence of novel nucleotide sequences.

[0056] Figure 2: Figure 2 depicts the components of an automated RNA preparation machine.

[0057] Figure 3: Figure 3 describes kits useful for the practice of the invention. Figure 3A describes the contents of a kit useful for the discovery of diagnostic nucleotide sets. Figure 3B describes the contents of a kit useful for the application of diagnostic nucleotide sets.

[0058] Figure 4 shows the results of six hybridizations on a mini array graphed (n=6 for each column). The error bars are the SEM. This experiment shows that the average signal from AP prepared RNA is 47% of the average signal from GS prepared RNA for both Cy3 and Cy5.

[0059] Figure 5 shows the average background subtracted signal for each of nine leukocyte-specific genes on a mini array. This average is for 3-6 of the above-described hybridizations for each gene. The error bars are the SEM.

[0060] Figure 6 shows the ratio of Cy3 to Cy5 signal for a number of genes. After normalization, this ratio corrects for variability among hybridizations and allows comparison between experiments done at different times. The ratio is calculated as the Cy3 background subtracted signal divided by the Cy5 background subtracted signal. Each bar is the average for 3-6 hybridizations. The error bars are SEM.

[0061] Figure 7 shows data median Cy3 background subtracted signals for control RNAs using mini arrays.

[0062] Figure 8 shows data from an array hybridization.

[0063] Figure 9 shows a comparison of gene expression in samples obtained from cardiac transplant patients wth low rejection grade and high rejection grade.

[0064] Figure 10 shows differential gene expression between samples from patients with grade 0 and grade 3A rejection.

Brief Description of the Tables

Table 1: Table 1 lists diseases or conditions amenable to study by leukocyte profiling.

[0066] Table 2: Table 2 describes genes and other nucleotide sequences identified using data mining of publically available publication databases and nucleotide sequence databases. Corresponding Unigene (build 133) cluster numbers are listed with each gene or other nucleotide sequence.

[0067] Table 3A: Table 3A describes 48 clones whose sequences align to two or more non-contiguous sequences on the same assembled human contig of genomic sequence. The Accession numbers are from the March 15, 2001 build of the human genome. The file date for the downloaded data was 4/17/01. The alignments of the clone and the contig are indicated in the table. The start and stop offset of each matching region is indicated in the table. The sequence of the clones themselves is included in the sequence listing. The alignments of these clones strongly suggest that they are novel nucleotide sequences. Furthermore, no EST or mRNA aligning to the clone was found in the database. These sequences may prove useful for the prediction of clinical outcomes.

[0068] Table 3B: Table 3B describes Identified Genomic Regions that code for novel mRNAs. The table contains 591 identified genomic regions that are highly similar to the cDNA clones. Those regions that are within ~100 to 200 Kb of each other on the same contig are likely to represent exons of the same gene. The indicated clone is exemplary of the cDNA clones that match the indicated genomic region. The "number clones" column indicates how many clones were isolated from the libraries that are similar to the indicated region of the chromosome. The probability number is the likelihood that region of similarity would occur by chance on a random sequence. The Accession numbers are from the March 15, 2001 build of the human genome. The file date for the downloaded data was 4/17/01. These sequences may prove useful for the prediction of clinical outcomes.

[0069] Table 3C: Table 3C describes differentially expressed nucleotide sequences useful for the prediction of clinical outcomes. This table contains 4517 identified cDNAs and cDNA regions of genes that are members of a leukocyte candidate library, for use in measuring the expression of nucleotide sequences that could subsequently be correlated

with human clinical conditions. The regions of similarity were found by searching three different databases for pair wise similarity using blastn. The three databases were UniGene Unique build 3/30/01, file Hs.seq.uniq.Z; the downloadable database at ftp.ncbi.nlm.nih.com/blast/db/est human.Z with date 4/8/01 which is a section of Genbank version 122; and the non-redundant section of Genbank ver 123. The Hs.XXXXX numbers represent UniGene accession numbers from the Hs.seq.uniq.Z file of 3/30/01. The clone sequences are not in the sequence listing.

[0070] Table 4: Table 4 describes patient groups and diagnostic gene sets

[0071] Table 5: Table 5 describes the nucleotide sequence databases used in the sequence analysis described herein.

[0072] Table 6: Table 6 describes the algorithms and software packages used for exon and polypeptide prediction used in the sequence analysis described herein.

[0073] Table 7: Table 7 describes the databases and algorithms used for the protein sequence analysis described herein.

[0074] Table 8: Table 8 describes leukocyte probes spotted on the microarrays.

[0075] Table 9: Table 9 describes Cardiac Transplant patient RNA samples and array hybridizations.

Table 10: Table 10 describes differentially expressed probes identified when comparing leukocyte expression profiles obtained from high and low grade cardiac transplant rejection patients.

Detailed Description of the Invention

Definitions

[0077] Unless defined otherwise, all scientific and technical terms are understood to have the same meaning as commonly used in the art to which they pertain. For the purpose of the present invention, the following terms are defined below.

[0078] In the context of the invention, the term "gene expression system" refers to any system, device or means to detect gene expression and includes diagnostic agents, candidate libraries, oligonucleotide sets or probe sets.

[0079] The term "diagnostic oligonucleotide set" generally refers to a set of two or more oligonucleotides that, when evaluated for differential expression of their products, collectively yields predictive data. Such predictive data typically relates to diagnosis,

prognosis, monitoring of therapeutic outcomes, and the like. In general, the components of a diagnostic oligonucleotide set are distinguished from nucleotide sequences that are evaluated by analysis of the DNA to directly determine the genotype of an individual as it correlates with a specified trait or phenotype, such as a disease, in that it is the pattern of expression of the components of the diagnostic nucleotide set, rather than mutation or polymorphism of the DNA sequence that provides predictive value. It will be understood that a particular component (or member) of a diagnostic nucleotide set can, in some cases, also present one or more mutations, or polymorphisms that are amenable to direct genotyping by any of a variety of well known analysis methods, e.g., Southern blotting, RFLP, AFLP, SSCP, SNP, and the like.

[0080] A "disease specific target oligonucleotide sequence" is a gene or other oligonucleotide that encodes a polypeptide, most typically a protein, or a subunit of a multi-subunit protein, that is a therapeutic target for a disease, or group of diseases.

[0081] A "candidate library" or a "candidate oligonucleotide library" refers to a collection of oligonucleotide sequences (or gene sequences) that by one or more criteria have an increased probability of being associated with a particular disease or group of diseases. The criteria can be, for example, a differential expression pattern in a disease state or in activated or resting leukocytes in vitro as reported in the scientific or technical literature, tissue specific expression as reported in a sequence database, differential expression in a tissue or cell type of interest, or the like. Typically, a candidate library has at least 2 members or components; more typically, the library has in excess of about 10, or about 100, or about 1000, or even more, members or components.

[0082] The term "disease criterion" is used herein to designate an indicator of a disease, such as a diagnostic factor, a prognostic factor, a factor indicated by a medical or family history, a genetic factor, or a symptom, as well as an overt or confirmed diagnosis of a disease associated with several indicators such as those selected from the above list. A disease criterian includes data describing a patient's health status, including retrospective or prospective health data, e.g. in the form of the patient's medical history, laboratory test results, diagnostic test result, clinical events, medications, lists, response(s) to treatment and risk factors, etc.

[0083] The terms "molecular signature" or "expression profile" refers to the collection of expression values for a plurality (e.g., at least 2, but frequently about 10, about 100, about 1000, or more) of members of a candidate library. In many cases, the molecular signature represents the expression pattern for all of the nucleotide sequences in a library or array of candidate or diagnostic nucleotide sequences or genes.

Alternatively, the molecular signature represents the expression pattern for one or more subsets of the candidate library. The term "oligonucleotide" refers to two or more nucleotides. Nucleotides may be DNA or RNA, naturally occurring or synthetic.

[0084] The term "healthy individual," as used herein, is relative to a specified disease or disease criterion. That is, the individual does not exhibit the specified disease criterion or is not diagnosed with the specified disease. It will be understood, that the individual in question, can, of course, exhibit symptoms, or possess various indicator factors for another disease.

[0085] Similarly, an "individual diagnosed with a disease" refers to an individual diagnosed with a specified disease (or disease criterion). Such an individual may, or may not, also exhibit a disease criterion associated with, or be diagnosed with another (related or unrelated) disease.

[0086] An "array" is a spatially or logically organized collection, e.g., of oligonucleotide sequences or nucleotide sequence products such as RNA or proteins encoded by an oligonucleotide sequence. In some embodiments, an array includes antibodies or other binding reagents specific for products of a candidate library.

[0087] When referring to a pattern of expression, a "qualitative" difference in gene expression refers to a difference that is not assigned a relative value. That is, such a difference is designated by an "all or nothing" valuation. Such an all or nothing variation can be, for example, expression above or below a threshold of detection (an on/off pattern of expression). Alternatively, a qualitative difference can refer to expression of different types of expression products, e.g., different alleles (e.g., a mutant or polymorphic allele), variants (including sequence variants as well as post-translationally modified variants), etc.

[0088] In contrast, a "quantitative" difference, when referring to a pattern of gene expression, refers to a difference in expression that can be assigned a value on a

graduated scale, (e.g., a 0-5 or 1-10 scale, a + - +++ scale, a grade 1- grade 5 scale, or the like; it will be understood that the numbers selected for illustration are entirely arbitrary and in no-way are meant to be interpreted to limit the invention).

Gene Expression Systems of the Invention

[0089] The invention is directed to a gene expression system having one or more DNA molecules wherein the one or more DNA molecules has a nucleotide sequence which detects expression of a gene corresponding to the oligonucleotides depicted in the Sequence Listing. In one format, the oligonucleotide detects expression of a gene that is differentially expressed in leukocytes. The gene expression system may be a candidate library, a diagnostic agent, a diagnostic oligonucleotide set or a diagnostic probe set. The DNA molecules may be genomic DNA, protein nucleic acid (PNA), cDNA or synthetic oligonucleotides. Following the procedures taught herein, one can identity sequences of interest for analyzing gene expression in leukocytes. Such sequences may be predictive of a disease state.

Diagnostic oligonucleotides of the invention

[0090] The invention relates to diagnostic nucleotide set(s) comprising members of the leukocyte candidate library listed in Table 2, Table 3 and in the Sequence Listing, for which a correlation exists between the health status of an individual, and the individual's expression of RNA or protein products corresponding to the nucleotide sequence. In some instances, only one oligonucleotide is necessary for such detection. Members of a diagnostic oligonucleotide set may be identified by any means capable of detecting expression of RNA or protein products, including but not limited to differential expression screening, PCR, RT-PCR, SAGE analysis, high-throughput sequencing, microarrays, liquid or other arrays, protein-based methods (e.g., western blotting, proteomics, and other methods described herein), and data mining methods, as further described herein.

[0091] In one embodiment, a diagnostic oligonucleotide set comprises at least two oligonucleotide sequences listed in Table 2 or Table 3 or the Sequence Listing which are differentially expressed in leukocytes in an individual with at least one disease criterion for at least one leukocyte-implicated disease relative to the expression in individual

without the at least one disease criterion, wherein expression of the two or more nucleotide sequences is correlated with at least one disease criterion, as described below.

[0092] In another embodiment, a diagnostic nucleotide set comprises at least one oligonucleotide having an oligonucleotide sequence listed in Table 2 or 3 or the Sequence Listing which is differentially expressed, and further wherein the differential expression/correlation has not previously been described. In some embodiments, the diagnostic nucleotide set is immobilized on an array.

[0093] The invention also provides diagnostic probe sets. It is understood that a probe includes any reagent capable of specifically identifying a nucleotide sequence of the diagnostic nucleotide set, including but not limited to a DNA, a RNA, cDNA, synthetic oligonucleotide, partial or full-length nucleic acid sequences. In addition, the probe may identify the protein product of a diagnostic nucleotide sequence, including, for example, antibodies and other affinity reagents. It is also understood that each probe can correspond to one gene, or multiple probes can correspond to one gene, or both, or one probe can correspond to more than one gene.

[0094] Homologs and variants of the disclosed nucleic acid molecules may be used in the present invention. Homologs and variants of these nucleic acid molecules will possess a relatively high degree of sequence identity when aligned using standard methods. The sequences encompassed by the invention have at least 40-50, 50-60, 70-80, 80-85, 85-90, 90-95 or 95-100% sequence identity to the sequences disclosed herein.

[0095] It is understood that for expression profiling, variations in the disclosed sequences will still permit detection of gene expression. The degree of sequence identity required to detect gene expression varies depending on the length of the oligomer. For a 60 mer, 6-8 random mutations or 6-8 random deletions in a 60 mer do not affect gene expression detection. Hughes, TR, et al. "Expression profiling using microarrays fabricated by an ink-jet oligonucleotide synthesizer. Nature Biotechnology, 19:343-347(2001). As the length of the DNA sequence is increased, the number of mutations or deletions permitted while still allowing gene expression detection is increased.

[0096] As will be appreciated by those skilled in the art, the sequences of the present invention may contain sequencing errors. That is, there may be incorrect nucleotides, frameshifts, unknown nucleotides, or other types of sequencing errors in any of the

sequences; however, the correct sequences will fall within the homology and stringency definitions herein.

[0097] The minimum length of an oligonucleotide probe necessary for specific hybridization in the human genome can be estimated using two approaches. The first method uses a statistical argument that the probe will be unique in the human genome by chance. Briefly, the number of independent perfect matches (Po) expected for an oligonucleotide of length L in a genome of complexity C can be calculated from the equation (Laird CD, Chromosoma 32:378 (1971):

$$Po=(1/4)^L *2C$$

In the case of mammalian genomes, $2C = -3.6 \times 10^9$, and an oligonucleotide [0098] of 14-15 nucleotides is expected to be represented only once in the genome. However, the distribution of nucleotides in the coding sequence of mammalian genomes is nonrandom (Lathe, R. J. Mol. Biol. 183:1 (1985) and longer oligonucleotides may be preferred in order to in increase the specificity of hybridization. In practical terms, this works out to probes that are 19-40 nucleotides long (Sambrook J et al., infra). The second method for estimating the length of a specific probe is to use a probe long enough to hybridize under the chosen conditions and use a computer to search for that sequence or close matches to the sequence in the human genome and choose a unique match. Probe sequences are chosen based on the desired hybridization properties as described in Chapter 11 of Sambrook et al, infra. The PRIMER3 program is useful for designing these probes (S. Rozen and H. Skaletsky 1996,1997; Primer3 code available at http://www-genome.wi.mit.edu/genome_software/other/primer3.html). The sequences of these probes are then compared pair wise against a database of the human genome sequences using a program such as BLAST or MEGABLAST (Madden, T.L et al. (1996) Meth. Enzymol. 266:131-141). Since most of the human genome is now contained in the database, the number of matches will be determined. Probe sequences are chosen that are unique to the desired target sequence.

[0099] In some embodiments, a diagnostic probe set is immobilized on an array. The array is optionally comprises one or more of: a chip array, a plate array, a bead array, a pin array, a membrane array, a solid surface array, a liquid array, an oligonucleotide

array, a polynucleotide array or a cDNA array, a microtiter plate, a pin array, a bead array, a membrane or a chip.

[00100] In some embodiments, the leukocyte-implicated disease is selected from the diseases listed in Table 1. In other embodiments, the disease is atherosclerosis or cardiac allograft rejection. In other embodiments, the disease is congestive heart failure, angina, myocardial infarction, systemic lupus erythematosis (SLE) and rheumatoid arthritis.

General Molecular Biology References

[00101] In the context of the invention, nucleic acids and/or proteins are manipulated according to well known molecular biology techniques. Detailed protocols for numerous such procedures are described in, e.g., in Ausubel et al. <u>Current Protocols in Molecular Biology</u> (supplemented through 2000) John Wiley & Sons, New York ("Ausubel"); Sambrook et al. <u>Molecular Cloning - A Laboratory Manual</u> (2nd Ed.), Vol. 1-3, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York, 1989 ("Sambrook"), and Berger and Kimmel <u>Guide to Molecular Cloning Techniques</u>, Methods in Enzymology volume 152 Academic Press, Inc., San Diego, CA ("Berger").

[00102] In addition to the above references, protocols for in vitro amplification techniques, such as the polymerase chain reaction (PCR), the ligase chain reaction (LCR), Q-replicase amplification, and other RNA polymerase mediated techniques (e.g., NASBA), useful e.g., for amplifying cDNA probes of the invention, are found in Mullis et al. (1987) U.S. Patent No. 4,683,202; PCR Protocols A Guide to Methods and Applications (Innis et al. eds) Academic Press Inc. San Diego, CA (1990) ("Innis"); Arnheim and Levinson (1990) C&EN 36; The Journal Of NIH Research (1991) 3:81; Kwoh et al. (1989) Proc Natl Acad Sci USA 86, 1173; Guatelli et al. (1990) Proc Natl Acad Sci USA 87:1874; Lomell et al. (1989) J Clin Chem 35:1826; Landegren et al. (1988) Science 241:1077; Van Brunt (1990) Biotechnology 8:291; Wu and Wallace (1989) Gene 4: 560; Barringer et al. (1990) Gene 89:117, and Sooknanan and Malek (1995) Biotechnology 13:563. Additional methods, useful for cloning nucleic acids in the context of the present invention, include Wallace et al. U.S. Pat. No. 5,426,039. Improved methods of amplifying large nucleic acids by PCR are summarized in Cheng et al. (1994) Nature 369:684 and the references therein.

[00103] Certain polynucleotides of the invention, e.g., oligonucleotides can be synthesized utilizing various solid-phase strategies involving mononucleotide- and/or trinucleotide-based phosphoramidite coupling chemistry. For example, nucleic acid sequences can be synthesized by the sequential addition of activated monomers and/or trimers to an elongating polynucleotide chain. See e.g., Caruthers, M.H. et al. (1992) Meth Enzymol 211:3.

[0100] In lieu of synthesizing the desired sequences, essentially any nucleic acid can be custom ordered from any of a variety of commercial sources, such as The Midland Certified Reagent Company (mcrc@oligos.com), The Great American Gene Company (www.genco.com), ExpressGen, Inc. (www.expressgen.com), Operon Technologies, Inc. (www.operon.com), and many others.

[0101] Similarly, commercial sources for nucleic acid and protein microarrays are available, and include, e.g., Agilent Technologies, Palo Alto, CA (http://www.agilent.com/) Affymetrix, Santa Clara, CA (http://www.affymetrix.com/); and Incyte, Palo Alto, CA (http://www.incyte.com/) and others.

Identification of diagnostic nucleotide sets

Candidate library

[0102] Libraries of candidates that are differentially expressed in leukocytes are substrates for the identification and evaluation of diagnostic oligonucleotide sets and disease specific target nucleotide sequences.

that is not a nucleated erythrocyte. More specifically, leukocytes can be subdivided into two broad classes. The first class includes granulocytes, including, most prevalently, neutrophils, as well as eosinophils and basophils at low frequency. The second class, the non-granular or mononuclear leukocytes, includes monocytes and lymphocytes (e.g., T cells and B cells). There is an extensive literature in the art implicating leukocytes, e.g., neutrophils, monocytes and lymphocytes in a wide variety of disease processes, including inflammatory and rheumatic diseases, neurodegenerative diseases (such as Alzheimer's dementia), cardiovascular disease, endocrine diseases, transplant rejection, malignancy and infectious diseases, and other diseases listed in Table 1. Mononuclear cells are involved in the chronic immune response, while granulocytes, which make up

approximately 60% of the leukocytes, have a non-specific and stereotyped response to acute inflammatory stimuli and often have a life span of only 24 hours.

[0104] In addition to their widespread involvement and/or implication in numerous disease related processes, leukocytes are particularly attractive substrates for clinical and experimental evaluation for a variety of reasons. Most importantly, they are readily accessible at low cost from essentially every potential subject. Collection is minimally invasive and associated with little pain, disability or recovery time. Collection can be performed by minimally trained personnel (e.g., phlebotomists, medical technicians, etc.) in a variety of clinical and non-clinical settings without significant technological expenditure. Additionally, leukocytes are renewable, and thus available at multiple time points for a single subject.

Assembly of candidate libraries

[0105] At least two conceptually distinct approaches to the assembly of candidate libraries exist. Either, or both, or other, approaches can be favorably employed. The method of assembling, or identifying, candidate libraries is secondary to the criteria utilized for selecting appropriate library members. Most importantly, library members are assembled based on differential expression of RNA or protein products in leukocyte populations. More specifically, candidate nucleotide sequences are induced or suppressed, or expressed at increased or decreased levels in leukocytes from a subject with one or more disease or disease state (a disease criterion) relative to leukocytes from a subject lacking the specified disease criterion. Alternatively, or in addition, library members can be assembled from among nucleotide sequences that are differentially expressed in activated or resting leukocytes relative to other cell types.

[0106] Firstly, publication and sequence databases can be "mined" using a variety of search strategies, including, e.g., a variety of genomics and proteomics approaches. For example, currently available scientific and medical publication databases such as Medline, Current Contents, OMIM (online Mendelian inheritance in man) various Biological and Chemical Abstracts, Journal indexes, and the like can be searched using term or key-word searches, or by author, title, or other relevant search parameters. Many such databases are publicly available, and one of skill is well versed in strategies and procedures for identifying publications and their contents, e.g., genes, other nucleotide

sequences, descriptions, indications, expression pattern, etc. Numerous databases are available through the internet for free or by subscription, *see*, e.g., http://www.ncbi.nlm.nih.gov/PubMed/; http://www3.infotrieve.com/; http://www.isinet.com/; http://www.sciencemag.org/. Additional or alternative publication or citation databases are also available that provide identical or similar types of information, any of which are favorable employed in the context of the invention. These databases can be searched for publications describing differential gene expression in leukocytes between patient with and without diseases or conditions listed in Table 1. We identified the nucleotide sequences listed in Table 2 and some of the sequences listed in Table 8 (Example 20), using data mining methods.

[0107] Alternatively, a variety of publicly available and proprietary sequence databases (including GenBank, dbEST, UniGene, and TIGR and SAGE databases) including sequences corresponding to expressed nucleotide sequences, such as expressed sequence tags (ESTs) are available. For example, GenbankTM (http://www.ncbi.nlm.nih.gov/Genbank/) among others can be readily accessed and searched via the internet. These and other sequence and clone database resources are currently available; however, any number of additional or alternative databases comprising nucleotide sequence sequences, EST sequences, clone repositories, PCR primer sequences, and the like corresponding to individual nucleotide sequence sequence sequences are also suitable for the purposes of the invention. Sequences from nucleotide sequences can be identified that are only found in libraries derived from leukocytes or sub-populations of leukocytes, for example see Table 2.

[0108] Alternatively, the representation, or relative frequency, of a nucleotide sequence may be determined in a leukocyte-derived nucleic acid library and compared to the representation of the sequence in non-leukocyte derived libraries. The representation of a nucleotide sequence correlates with the relative expression level of the nucleotide sequence in leukocytes and non-leukocytes. An oligonucleotide sequence which has increased or decreased representation in a leukocyte-derived nucleic acid library relative to a non-leukocyte-derived libraries is a candidate for a leukocyte-specific gene.

[0109] Nucleotide sequences identified as having specificity to activated or resting leukocytes or to leukocytes from patients or patient samples with a variety of

disease types can be isolated for use in a candidate library for leukocyte expression profiling through a variety of mechanisms. These include, but are not limited to, the amplification of the nucleotide sequence from RNA or DNA using nucleotide sequence specific primers for PCR or RT-PCR, isolation of the nucleotide sequence using conventional cloning methods, the purchase of an IMAGE consortium cDNA clone (EST) with complimentary sequence or from the same expressed nucleotide sequence, design of oligonucleotides, preparation of synthetic nucleic acid sequence, or any other nucleic-acid based method. In addition, the protein product of the nucleotide sequence can be isolated or prepared, and represented in a candidate library, using standard methods in the art, as described further below.

[0110] While the above discussion related primarily to "genomics" approaches, it is appreciated that numerous, analogous "proteomics" approaches are suitable to the present invention. For example, a differentially expressed protein product can, for example, be detected using western analysis, two-dimensional gel analysis, chromatographic separation, mass spectrometric detection, protein-fusion reporter constructs, colorometric assays, binding to a protein array, or by characterization of polysomal mRNA. The protein is further characterized and the nucleotide sequence encoding the protein is identified using standard techniques, e.g. by screening a cDNA library using a probe based on protein sequence information.

[0111] The second approach involves the construction of a differential expression library by any of a variety of means. Any one or more of differential screening, differential display or subtractive hybridization procedures, or other techniques that preferentially identify, isolate or amplify differentially expressed nucleotide sequences can be employed to produce a library of differentially expressed candidate nucleotide sequences, a subset of such a library, a partial library, or the like. Such methods are well known in the art. For example, peripheral blood leukocytes, (i.e., a mixed population including lymphocytes, monocytes and neutrophils), from multiple donor samples are pooled to prevent bias due to a single-donor's unique genotype. The pooled leukocytes are cultured in standard medium and stimulated with individual cytokines or growth factors e.g., with IL-2, IL-1, MCP1, TNFα, and/or IL8 according to well known procedures (see, e.g., Tough et al. (1999); Winston et al. (1999); Hansson et al. (1989)).

Typically, leukocytes are recovered from Buffy coat preparations produced by centrifugation of whole blood. Alternatively, mononuclear cells (monocytes and lymphocytes) can be obtained by density gradient centrifugation of whole blood, or specific cell types (such as a T lymphocyte) can be isolated using affinity reagents to cell specific surface markers. Leukocytes may also be stimulated by incubation with ionomycin, and phorbol myristate acetate (PMA). This stimulation protocol is intended to non-specifically mimic "activation" of numerous pathways due to variety of disease conditions rather than to simulate any single disease condition or paradigm.

[0112]Using well known subtractive hybridization procedures (as described in, e.g., US Patent Numbers 5,958,738; 5589,339; 5,827,658; 5,712,127; 5,643,761) each of which are hereby incorporated by reference, a library is produced that is enriched for RNA species (messages) that are differentially expressed between test and control leukocyte populations. In some embodiments, the test population of leukocytes are simply stimulated as described above to emulate non-specific activation events, while in other embodiments the test population can be selected from subjects (or patients) with a specified disease or class of diseases. Typically, the control leukocyte population lacks the defining test condition, e.g., stimulation, disease state, diagnosis, genotype, etc. Alternatively, the total RNA from control and test leukocyte populations are prepared by established techniques, treated with DNAseI, and selected for messenger RNA with an intact 3' end (i.e., polyA(+) messenger RNA) e.g., using commercially available kits according to the manufacturer's instructions e.g. Clontech. Double stranded cDNA is synthesized utilizing reverse transcriptase. Double stranded cDNA is then cut with a first restriction enzyme (e.g., NlaIII, that cuts at the recognition site: CATG, and cuts the cDNA sequence at approximately 256 bp intervals) that cuts the cDNA molecules into conveniently sized fragments.

[0113] The cDNAs prepared from the test population of leukocytes are divided into (typically 2) "tester" pools, while cDNAs prepared from the control population of leukocytes are designated the "driver" pool. Typically, pooled populations of cells from multiple individual donors are utilized and in the case of stimulated versus unstimulated cells, the corresponding tester and driver pools for any single subtraction reaction are derived from the same donor pool.

[0114] A unique double-stranded adapter is ligated to each of the tester cDNA populations using unphosphorylated primers so that only the sense strand is covalently linked to the adapter. An initial hybridization is performed consisting of each of the tester pools of cDNA (each with its corresponding adapter) and an excess of the driver cDNA. Typically, an excess of about 10-100 fold driver relative to tester is employed, although significantly lower or higher ratios can be empirically determined to provide more favorable results. The initial hybridization results in an initial normalization of the cDNAs such that high and low abundance messages become more equally represented following hybridization due to a failure of driver/tester hybrids to amplify.

[0115] A second hybridization involves pooling un-hybridized sequences from initial hybridizations together with the addition of supplemental driver cDNA. In this step, the expressed sequences enriched in the two tester pools following the initial hybridization can hybridize. Hybrids resulting from the hybridization between members of each of the two tester pools are then recovered by amplification in a polymerase chain reaction (PCR) using primers specific for the unique adapters. Again, sequences originating in a tester pool that form hybrids with components of the driver pool are not amplified. Hybrids resulting between members of the same tester pool are eliminated by the formation of "panhandles" between their common 5' and 3' ends. For additional details, see, e.g., Lukyanov et al. (1997) Biochem Biophys Res Commun 230:285-8.

[0116] Typically, the tester and driver pools are designated in the alternative, such that the hybridization is performed in both directions to ensure recovery of messenger RNAs that are differentially expressed in either a positive or negative manner (i.e., that are turned on or turned off, up-regulated or down-regulated). Accordingly, it will be understood that the designation of test and control populations is to some extent arbitrary, and that a test population can just as easily be compared to leukocytes derived from a patient with the same of another disease of interest.

[0117] If so desired, the efficacy of the process can be assessed by such techniques as semi-quantitative PCR of known (i.e., control) nucleotide sequences, of varying abundance such as \(\beta\)-actin. The resulting PCR products representing partial cDNAs of differentially expressed nucleotide sequences are then cloned (i.e., ligated) into an appropriate vector (e.g., a commercially available TA cloning vector, such as pGEM

from Promega) and, optionally, transformed into competent bacteria for selection and screening.

[0118] Either of the above approaches, or both in combination, or indeed, any procedure, which permits the assembly of a collection of nucleotide sequences that are expressed in leukocytes, is favorably employed to produce the libraries of candidates useful for the identification of diagnostic nucleotide sets and disease specific target nucleotides of the invention. Additionally, any method that permits the assembly of a collection of nucleotides that are expressed in leukocytes and preferentially associated with one or more disease or condition, whether or not the nucleotide sequences are differentially expressed, is favorably employed in the context of the invention. Typically, libraries of about 2,000-10,000 members are produced (although libraries in excess of 10,000 are not uncommon). Following additional evaluation procedures, as described below, the proportion of unique clones in the candidate library can approximate 100%.

[0119] A candidate oligonucleotide sequence may be represented in a candidate library by a full-length or partial nucleic acid sequence, deoxyribonucleic acid (DNA) sequence, cDNA sequence, RNA sequence, synthetic oligonucleotides, etc. The nucleic acid sequence can be at least 19 nucleotides in length, at least 25 nucleotides, at least 40 nucleotides, at least 100 nucleotides, or larger. Alternatively, the protein product of a candidate nucleotide sequence may be represented in a candidate library using standard methods, as further described below.

Characterization of candidate oligonucleotide sequences

[0120] The sequence of individual members (e.g., clones, partial sequence listing in a database such as an EST, etc.) of the candidate oligonucleotide libraries is then determined by conventional sequencing methods well known in the art, e.g., by the dideoxy-chain termination method of Sanger et al. (1977) Proc Natl Acad Sci USA 74:5463-7; by chemical procedures, e.g., Maxam and Gilbert (1977) Proc Natl Acad Sci USA 74:560-4; or by polymerase chain reaction cycle sequencing methods, e.g., Olsen and Eckstein (1989) Nuc Acid Res 17:9613-20, DNA chip based sequencing techniques or variations, including automated variations (e.g., as described in Hunkapiller et al. (1991) Science 254:59-67; Pease et al. (1994) Proc Natl Acad Sci USA 91:5022-6), thereof. Numerous kits for performing the above procedures are commercially available

and well known to those of skill in the art. Character strings corresponding to the resulting nucleotide sequences are then recorded (i.e., stored) in a database. Most commonly the character strings are recorded on a computer readable medium for processing by a computational device.

[0121] Generally, to facilitate subsequent analysis, a custom algorithm is employed to query existing databases in an ongoing fashion, to determine the identity, expression pattern and potential function of the particular members of a candidate library. The sequence is first processed, by removing low quality sequence. Next the vector sequences are identified and removed and sequence repeats are identified and masked. The remaining sequence is then used in a Blast algorithm against multiple publicly available, and/or proprietary databases, e.g., NCBI nucleotide, EST and protein databases, Unigene, and Human Genome Sequence. Sequences are also compared to all previously sequenced members of the candidate libraries to detect redundancy.

[0122] In some cases, sequences are of high quality, but do not match any sequence in the NCBI nr, human EST or Unigene databases. In this case the sequence is queried against the human genomic sequence. If a single chromosomal site is matched with a high degree of confidence, that region of genomic DNA is identified and subjected to further analysis with a gene prediction program such as GRAIL. This analysis may lead to the identification of a new gene in the genomic sequence. This sequence can then be translated to identify the protein sequence that is encoded and that sequence can be further analyzed using tools such as Pfam, Blast P, or other protein structure prediction programs, as illustrated in Table 7. Typically, the above analysis is directed towards the identification of putative coding regions, e.g., previously unidentified open reading frames, confirming the presence of known coding sequences, and determining structural motifs or sequence similarities of the predicted protein (i.e., the conceptual translation product) in relation to known sequences. In addition, it has become increasingly possible to assemble "virtual cDNAs" containing large portions of coding region, simply through the assembly of available expressed sequence tags (ESTs). In turn, these extended nucleic acid and amino acid sequences allow the rapid expansion of substrate sequences for homology searches and structural and functional motif characterization. The results of these analysis permits the categorization of sequences according to structural

characteristics, e.g., as structural proteins, proteins involved in signal transduction, cell surface or secreted proteins etc.

[0123] It is understood that full-length nucleotide sequences may also be identified using conventional methods, for example, library screening, RT-PCR, chromosome walking, etc., as described in *Sambrook and Ausubel, infra*.

Candidate nucleotide library of the invention

[0124] We identified members of a candidate nucleotide library that are differentially expressed in activated leukocytes and resting leukocytes. Accordingly, the invention provides the candidate leukocyte nucleotide library comprising the nucleotide sequences listed in Table 2, Table 3 and in the sequence listing. In another embodiment, the invention provides a candidate library comprising at least two nucleotide sequences listed in Table 2, Table 3, and the sequence listing. In another embodiment, the at least two nucleotide sequence are at least 19 nucleotides in length, at least 35 nucleotides, at least 40 nucleotides or at least 100 nucleotides. In some embodiments, the nucleotide sequences comprises deoxyribonucleic acid (DNA) sequence, ribonucleic acid (RNA) sequence, synthetic oligonucleotide sequence, or genomic DNA sequence. It is understood that the nucleotide sequences may each correspond to one gene, or that several nucleotide sequences may correspond to one gene, or both.

[0125] The invention also provides probes to the candidate nucleotide library. In one embodiment of the invention, the probes comprise at least two nucleotide sequences listed in Table 2, Table 3, or the sequence listing which are differentially expressed in leukocytes in an individual with a least one disease criterion for at least one leukocyte-related disease and in leukocytes in an individual without the at least one disease criterion, wherein expression of the two or more nucleotide sequences is correlated with at least one disease criterion. It is understood that a probe may detect either the RNA expression or protein product expression of the candidate nucleotide library.

Alternatively, or in addition, a probe can detect a genotype associated with a candidate nucleotide sequence, as further described below. In another embodiment, the probes for the candidate nucleotide library are immobilized on an array.

[0126] The candidate nucleotide library of the invention is useful in identifying diagnostic nucleotide sets of the invention, as described below. The candidate nucleotide

sequences may be further characterized, and may be identified as a disease target nucleotide sequence and/or a novel nucleotide sequence, as described below. The candidate nucleotide sequences may also be suitable for use as imaging reagents, as described below.

Generation of Expression Patterns

RNA, DNA or protein sample procurement

Following identification or assembly of a library of differentially [0127] expressed candidate nucleotide sequences, leukocyte expression profiles corresponding to multiple members of the candidate library are obtained. Leukocyte samples from one or more subjects are obtained by standard methods. Most typically, these methods involve trans-cutaneous venous sampling of peripheral blood. While sampling of circulating leukocytes from whole blood from the peripheral vasculature is generally the simplest, least invasive, and lowest cost alternative, it will be appreciated that numerous alternative sampling procedures exist, and are favorably employed in some circumstances. No pertinent distinction exists, in fact, between leukocytes sampled from the peripheral vasculature, and those obtained, e.g., from a central line, from a central artery, or indeed from a cardiac catheter, or during a surgical procedure which accesses the central vasculature. In addition, other body fluids and tissues that are, at least in part, composed of leukocytes are also desirable leukocyte samples. For example, fluid samples obtained from the lung during bronchoscopy may be rich in leukocytes, and amenable to expression profiling in the context of the invention, e.g., for the diagnosis, prognosis, or monitoring of lung transplant rejection, inflammatory lung diseases or infectious lung disease. Fluid samples from other tissues, e.g., obtained by endoscopy of the colon, sinuses, esophagus, stomach, small bowel, pancreatic duct, biliary tree, bladder, ureter, vagina, cervix or uterus, etc., are also suitable. Samples may also be obtained other sources containing leukocytes, e.g., from urine, bile, cerebrospinal fluid, feces, gastric or intestinal secretions, semen, or solid organ or joint biopsies.

[0128] Most frequently, mixed populations of leukocytes, such as are found in whole blood are utilized in the methods of the present invention. A crude separation, e.g., of mixed leukocytes from red blood cells, and/or concentration, e.g., over a sucrose, percoll or ficoll gradient, or by other methods known in the art, can be employed to

facilitate the recovery of RNA or protein expression products at sufficient concentrations, and to reduce non-specific background. In some instances, it can be desirable to purify sub-populations of leukocytes, and methods for doing so, such as density or affinity gradients, flow cytometry, fluorescence Activated Cell Sorting (FACS), immunomagnetic separation, "panning," and the like, are described in the available literature and below.

Obtaining DNA, RNA and protein samples for expression profiling

[0129] Expression patterns can be evaluated at the level of DNA, or RNA or protein products. For example, a variety of techniques are available for the isolation of RNA from whole blood. Any technique that allows isolation of mRNA from cells (in the presence or absence of rRNA and tRNA) can be utilized. In brief, one method that allows reliable isolation of total RNA suitable for subsequent gene expression analysis, is described as follows. Peripheral blood (either venous or arterial) is drawn from a subject, into one or more sterile, endotoxin free, tubes containing an anticoagulant (e.g., EDTA, citrate, heparin, etc.). Typically, the sample is divided into at least two portions. One portion, e.g., of 5-8 ml of whole blood is frozen and stored for future analysis, e.g., of DNA or protein. A second portion, e.g., of approximately 8 ml whole blood is processed for isolation of total RNA by any of a variety of techniques as described in, e.g, Sambook, Ausubel, below, as well as U.S. Patent Numbers: 5,728,822 and 4,843,155.

[0130] Typically, a subject sample of mononuclear leukocytes obtained from about 8 ml of whole blood, a quantity readily available from an adult human subject under most circumstances, yields 5-20 μg of total RNA. This amount is ample, e.g., for labeling and hybridization to at least two probe arrays. Labeled probes for analysis of expression patterns of nucleotides of the candidate libraries are prepared from the subject's sample of RNA using standard methods. In many cases, cDNA is synthesized from total RNA using a polyT primer and labeled, e.g., radioactive or fluorescent, nucleotides. The resulting labeled cDNA is then hybridized to probes corresponding to members of the candidate nucleotide library, and expression data is obtained for each nucleotide sequence in the library. RNA isolated from subject samples (e.g., peripheral

blood leukocytes, or leukocytes obtained from other biological fluids and samples) is next used for analysis of expression patterns of nucleotides of the candidate libraries.

[0131] In some cases, however, the amount of RNA that is extracted from the leukocyte sample is limiting, and amplification of the RNA is desirable. Amplification may be accomplished by increasing the efficiency of probe labeling, or by amplifying the RNA sample prior to labeling. It is appreciated that care must be taken to select an amplification procedure that does not introduce any bias (with respect to gene expression levels) during the amplification process.

[0132] Several methods are available that increase the signal from limiting amounts of RNA, e.g. use of the Clontech (Glass Fluorescent Labeling Kit) or Stratagene (Fairplay Microarray Labeling Kit), or the Micromax kit (New England Nuclear, Inc.). Alternatively, cDNA is synthesized from RNA using a T7- polyT primer, in the absence of label, and DNA dendrimers from Genisphere (3DNA Submicro) are hybridized to the poly T sequence on the primer, or to a different "capture sequence" which is complementary to a fluorescently labeled sequence. Each 3DNA molecule has 250 fluorescent molecules and therefore can strongly label each cDNA.

example, linear amplification may be performed, as described in U.S. Patent No. 6,132,997. A T7-polyT primer is used to generate the cDNA copy of the RNA. A second DNA strand is then made to complete the substrate for amplification. The T7 promoter incorporated into the primer is used by a T7 polymerase to produce numerous antisense copies of the original RNA. Fluorescent dye labeled nucleotides are directly incorporated into the RNA. Alternatively, amino allyl labeled nucleotides are incorporated into the RNA, and then fluorescent dyes are chemically coupled to the amino allyl groups, as described in Hughes. Other exemplary methods for amplification are described below.

[0134] It is appreciated that the RNA isolated must contain RNA derived from leukocytes, but may also contain RNA from other cell types to a variable degree. Additionally, the isolated RNA may come from subsets of leukocytes, e.g. monocytes and/or T-lymphocytes, as described above. Such consideration of cell type used for the derivation of RNA depend on the method of expression profiling used.

[0135] DNA samples may be obtained for analysis of the presence of DNA mutations, single nucleotide polymorphisms (SNPs), or other polymorphisms. DNA is isolated using standard techniques, e.g. *Maniatus*, *supra*.

Expression of products of candidate nucleotides may also be assessed [0136] using proteomics. Protein(s) are detected in samples of patient serum or from leukocyte cellular protein. Serum is prepared by centrifugation of whole blood, using standard methods. Proteins present in the serum may have been produced from any of a variety of leukocytes and non-leukocyte cells, and include secreted proteins from leukocytes. Alternatively, leukocytes or a desired sub-population of leukocytes are prepared as described above. Cellular protein is prepared from leukocyte samples using methods well known in the art, e.g., Trizol (Invitrogen Life Technologies, cat # 15596108; Chomczynski, P. and Sacchi, N. (1987) Anal. Biochem. 162, 156; Simms, D., Cizdziel, P.E., and Chomczynski, P. (1993) Focus® 15, 99; Chomczynski, P., Bowers-Finn, R., and Sabatini, L. (1987) J. of NIH Res. 6, 83; Chomczynski, P. (1993) Bio/Techniques 15, 532; Bracete, A.M., Fox, D.K., and Simms, D. (1998) Focus 20, 82; Sewall, A. and McRae, S. (1998) Focus 20, 36; Anal Biochem 1984 Apr;138(1):141-3, A method for the quantitative recovery of protein in dilute solution in the presence of detergents and lipids; Wessel D, Flugge UI. (1984) Anal Biochem. 1984 Apr;138(1):141-143.

Obtaining expression patterns

[0137] Expression patterns, or profiles, of a plurality of nucleotides corresponding to members of the candidate library are then evaluated in one or more samples of leukocytes. Typically, the leukocytes are derived from patient peripheral blood samples, although, as indicated above, many other sample sources are also suitable. These expression patterns constitute a set of relative or absolute expression values for a some number of RNAs or protein products corresponding to the plurality of nucleotide sequences evaluated, which is referred to herein as the subject's "expression profile" for those nucleotide sequences. While expression patterns for as few as one independent member of the candidate library can be obtained, it is generally preferable to obtain expression patterns corresponding to a larger number of nucleotide sequences, e.g., about 2, about 5, about 10, about 20, about 50, about 100, about 500, or about 1000, or more. The expression pattern for each differentially expressed component member of

the library provides a finite specificity and sensitivity with respect to predictive value, e.g., for diagnosis, prognosis, monitoring, and the like.

Clinical Studies, Data and Patient Groups

[0138] For the purpose of discussion, the term subject, or subject sample of leukocytes, refers to an individual regardless of health and/or disease status. A subject can be a patient, a study participant, a control subject, a screening subject, or any other class of individual from whom a leukocyte sample is obtained and assessed in the context of the invention. Accordingly, a subject can be diagnosed with a disease, can present with one or more symptom of a disease, or a predisposing factor, such as a family (genetic) or medical history (medical) factor, for a disease, or the like. Alternatively, a subject can be healthy with respect to any of the aforementioned factors or criteria. It will be appreciated that the term "healthy" as used herein, is relative to a specified disease, or disease factor, or disease criterion, as the term "healthy" cannot be defined to correspond to any absolute evaluation or status. Thus, an individual defined as healthy with reference to any specified disease or disease criterion, can in fact be diagnosed with any other one or more disease, or exhibit any other one or more disease criterion.

[0139] Furthermore, while the discussion of the invention focuses, and is exemplified using human sequences and samples, the invention is equally applicable, through construction or selection of appropriate candidate libraries, to non-human animals, such as laboratory animals, e.g., mice, rats, guinea pigs, rabbits; domesticated livestock, e.g., cows, horses, goats, sheep, chicken, etc.; and companion animals, e.g., dogs, cats, etc.

Methods for obtaining expression data

Numerous methods for obtaining expression data are known, and any one or more of these techniques, singly or in combination, are suitable for determining expression profiles in the context of the present invention. For example, expression patterns can be evaluated by northern analysis, PCR, RT-PCR, Taq Man analysis, FRET detection, monitoring one or more molecular beacon, hybridization to an oligonucleotide array, hybridization to a cDNA array, hybridization to a polynucleotide array, hybridization to a liquid microarray, hybridization to a microelectric array, molecular

beacons, cDNA sequencing, clone hybridization, cDNA fragment fingerprinting, serial analysis of gene expression (SAGE), subtractive hybridization, differential display and/or differential screening (*see*, e.g., Lockhart and Winzeler (2000) Nature 405:827-836, and references cited therein).

For example, specific PCR primers are designed to a member(s) of a [0141] candidate nucleotide library. cDNA is prepared from subject sample RNA by reverse transcription from a poly-dT oligonucleotide primer, and subjected to PCR. Double stranded cDNA may be prepared using primers suitable for reverse transcription of the PCR product, followed by amplification of the cDNA using in vitro transcription. The product of in vitro transcription is a sense-RNA corresponding to the original member(s) of the candidate library. PCR product may be also be evaluated in a number of ways known in the art, including real-time assessment using detection of labeled primers, e.g. TaqMan or molecular beacon probes. Technology platforms suitable for analysis of PCR products include the ABI 7700, 5700, or 7000 Sequence Detection Systems (Applied Biosystems, Foster City, CA), the MJ Research Opticon (MJ Research, Waltham, MA), the Roche Light Cycler (Roche Diagnositics, Indianapolis, IN), the Stratagene MX4000 (Stratagene, La Jolla, CA), and the Bio-Rad iCycler (Bio-Rad Laboratories, Hercules, CA). Alternatively, molecular beacons are used to detect presence of a nucleic acid sequence in an unamplified RNA or cDNA sample, or following amplification of the sequence using any method, e.g. IVT (In Vitro transcription) or NASBA (nucleic acid sequence based amplification). Molecular beacons are designed with sequences complementary to member(s) of a candidate nucleotide library, and are linked to fluorescent labels. Each probe has a different fluorescent label with non-overlapping emission wavelengths. For example, expression of ten genes may be assessed using ten different sequence-specific molecular beacons.

[0142] Alternatively, or in addition, molecular beacons are used to assess expression of multiple nucleotide sequences at once. Molecular beacons with sequence complimentary to the members of a diagnostic nucleotide set are designed and linked to fluorescent labels. Each fluorescent label used must have a non-overlapping emission wavelength. For example, 10 nucleotide sequences can be assessed by hybridizing 10 sequence specific molecular beacons (each labeled with a different fluorescent molecule)

to an amplified or un-amplified RNA or cDNA sample. Such an assay bypasses the need for sample labeling procedures.

[0143] Alternatively, or in addition bead arrays can be used to assess expression of multiple sequences at once. See, e.g, LabMAP 100, Luminex Corp, Austin, Texas). Alternatively, or in addition electric arrays are used to assess expression of multiple sequences, as exemplified by the e-Sensor technology of Motorola (Chicago, Ill.) or Nanochip technology of Nanogen (San Diego, CA.)

[0144] Of course, the particular method elected will be dependent on such factors as quantity of RNA recovered, practitioner preference, available reagents and equipment, detectors, and the like. Typically, however, the elected method(s) will be appropriate for processing the number of samples and probes of interest. Methods for high-throughput expression analysis are discussed below.

Alternatively, expression at the level of protein products of gene [0145] expression is performed. For example, protein expression, in a sample of leukocytes, can be evaluated by one or more method selected from among: western analysis, twodimensional gel analysis, chromatographic separation, mass spectrometric detection, protein-fusion reporter constructs, colorimetric assays, binding to a protein array and characterization of polysomal mRNA. One particularly favorable approach involves binding of labeled protein expression products to an array of antibodies specific for members of the candidate library. Methods for producing and evaluating antibodies are widespread in the art, see, e.g., Coligan, supra; and Harlow and Lane (1989) Antibodies: A Laboratory Manual, Cold Spring Harbor Press, NY ("Harlow and Lane"). Additional details regarding a variety of immunological and immunoassay procedures adaptable to the present invention by selection of antibody reagents specific for the products of candidate nucleotide sequences can be found in, e.g., Stites and Terr (eds.)(1991) Basic and Clinical Immunology, 7th ed., and Paul, supra. Another approach uses systems for performing desorption spectrometry. Commercially available systems, e.g., from Ciphergen Biosystems, Inc. (Fremont, CA) are particularly well suited to quantitative analysis of protein expression. Indeed, Protein Chip® arrays (see, e.g., http://www.ciphergen.com/) used in desorption spectrometry approaches provide arrays for detection of protein expression. Alternatively, affinity reagents, e.g., antibodies,

small molecules, etc.) are developed that recognize epitopes of the protein product. Affinity assays are used in protein array assays, e.g. to detect the presence or absence of particular proteins. Alternatively, affinity reagents are used to detect expression using the methods described above. In the case of a protein that is expressed on the cell surface of leukocytes, labeled affinity reagents are bound to populations of leukocytes, and leukocytes expressing the protein are identified and counted using fluorescent activated cell sorting (FACS).

[0146] It is appreciated that the methods of expression evaluation discussed herein, although discussed in the context of discovery of diagnostic nucleotide sets, are equally applicable for expression evaluation when using diagnostic nucleotide sets for, e.g. diagnosis of diseases, as further discussed below.

High Throughput Expression Assays

expression. Typically, the term high throughput refers to a format that performs at least about 100 assays, or at least about 500 assays, or at least about 1000 assays, or at least about 5000 assays, or at least about 10,000 assays, or more per day. When enumerating assays, either the number of samples or the number of candidate nucleotide sequences evaluated can be considered. For example, a northern analysis of, e.g., about 100 samples performed in a gridded array, e.g., a dot blot, using a single probe corresponding to a candidate nucleotide sequence can be considered a high throughput assay. More typically, however, such an assay is performed as a series of duplicate blots, each evaluated with a distinct probe corresponding to a different member of the candidate library. Alternatively, methods that simultaneously evaluate expression of about 100 or more candidate nucleotide sequences in one or more samples, or in multiple samples, are considered high throughput.

[0148] Numerous technological platforms for performing high throughput expression analysis are known. Generally, such methods involve a logical or physical array of either the subject samples, or the candidate library, or both. Common array formats include both liquid and solid phase arrays. For example, assays employing liquid phase arrays, e.g., for hybridization of nucleic acids, binding of antibodies or other receptors to ligand, etc., can be performed in multiwell, or microtiter, plates. Microtiter

plates with 96, 384 or 1536 wells are widely available, and even higher numbers of wells, e.g., 3456 and 9600 can be used. In general, the choice of microtiter plates is determined by the methods and equipment, e.g., robotic handling and loading systems, used for sample preparation and analysis. Exemplary systems include, e.g., the ORCA™ system from Beckman-Coulter, Inc. (Fullerton, CA) and the Zymate systems from Zymark Corporation (Hopkinton, MA).

[0149] Alternatively, a variety of solid phase arrays can favorably be employed in to determine expression patterns in the context of the invention. Exemplary formats include membrane or filter arrays (e.g., nitrocellulose, nylon), pin arrays, and bead arrays (e.g., in a liquid "slurry"). Typically, probes corresponding to nucleic acid or protein reagents that specifically interact with (e.g., hybridize to or bind to) an expression product corresponding to a member of the candidate library are immobilized, for example by direct or indirect cross-linking, to the solid support. Essentially any solid support capable of withstanding the reagents and conditions necessary for performing the particular expression assay can be utilized. For example, functionalized glass, silicon, silicon dioxide, modified silicon, any of a variety of polymers, such as (poly)tetrafluoroethylene, (poly)vinylidenedifluoride, polystyrene, polycarbonate, or combinations thereof can all serve as the substrate for a solid phase array.

[0150] In a preferred embodiment, the array is a "chip" composed, e.g., of one of the above specified materials. Polynucleotide probes, e.g., RNA or DNA, such as cDNA, synthetic oligonucleotides, and the like, or binding proteins such as antibodies, that specifically interact with expression products of individual components of the candidate library are affixed to the chip in a logically ordered manner, i.e., in an array. In addition, any molecule with a specific affinity for either the sense or anti-sense sequence of the marker nucleotide sequence (depending on the design of the sample labeling), can be fixed to the array surface without loss of specific affinity for the marker and can be obtained and produced for array production, for example, proteins that specifically recognize the specific nucleic acid sequence of the marker, ribozymes, peptide nucleic acids (PNA), or other chemicals or molecules with specific affinity.

[0151] Detailed discussion of methods for linking nucleic acids and proteins to a chip substrate, are found in, e.g., US Patent No. 5,143,854 "LARGE SCALE

PHOTOLITHOGRAPHIC SOLID PHASE SYNTHESIS OF POLYPEPTIDES AND RECEPTOR BINDING SCREENING THEREOF" to Pirrung et al., issued, September 1, 1992; US Patent No. 5,837,832 "ARRAYS OF NUCLEIC ACID PROBES ON BIOLOGICAL CHIPS" to Chee et al., issued November 17, 1998; US Patent No. 6,087,112 "ARRAYS WITH MODIFIED OLIGONUCLEOTIDE AND POLYNUCLEOTIDE COMPOSITIONS" to Dale, issued July 11, 2000; US Patent No. 5,215,882 "METHOD OF IMMOBILIZING NUCLEIC ACID ON A SOLID SUBSTRATE FOR USE IN NUCLEIC ACID HYBRIDIZATION ASSAYS" to Bahl et al., issued June 1, 1993; US Patent No. 5,707,807 "MOLECULAR INDEXING FOR EXPRESSED GENE ANALYSIS" to Kato, issued January 13, 1998; US Patent No. 5,807,522 "METHODS FOR FABRICATING MICROARRAYS OF BIOLOGICAL SAMPLES" to Brown et al., issued September 15, 1998; US Patent No. 5,958,342 "JET DROPLET DEVICE" to Gamble et al., issued Sept. 28, 1999; US Patent 5,994,076 "METHODS OF ASSAYING DIFFERENTIAL EXPRESSION" to Chenchik et al., issued Nov. 30, 1999; US Patent No. 6,004,755 "QUANTITATIVE MICROARRAY HYBRIDIZATION ASSAYS" to Wang, issued Dec. 21, 1999; US Patent No. 6,048,695 "CHEMICALLY MODIFIED NUCLEIC ACIDS AND METHOD FOR COUPLING NUCLEIC ACIDS TO SOLID SUPPORT" to Bradley et al., issued April 11, 2000; US Patent No. 6,060,240 "METHODS FOR MEASURING RELATIVE AMOUNTS OF NUCLEIC ACIDS IN A COMPLEX MIXTURE AND RETRIEVAL OF SPECIFIC SEQUENCES THEREFROM" to Kamb et al., issued May 9, 2000; US Patent No. 6,090,556 "METHOD FOR QUANTITATIVELY DETERMINING THE EXPRESSION OF A GENE" to Kato, issued July 18, 2000; and US Patent 6,040,138 "EXPRESSION MONITORING BY HYBRIDIZATION TO HIGH DENSITY OLIGONUCLEOTIDE ARRAYS" to Lockhart et al., issued March 21, 2000 each of which are hereby incorporated by reference in their entirety.

[0152] For example, cDNA inserts corresponding to candidate nucleotide sequences, in a standard TA cloning vector are amplified by a polymerase chain reaction for approximately 30-40 cycles. The amplified PCR products are then arrayed onto a glass support by any of a variety of well known techniques, e.g., the VSLIPSTM technology described in US Patent No. 5,143,854. RNA, or cDNA corresponding to

RNA, isolated from a subject sample of leukocytes is labeled, e.g., with a fluorescent tag, and a solution containing the RNA (or cDNA) is incubated under conditions favorable for hybridization, with the "probe" chip. Following incubation, and washing to eliminate non-specific hybridization, the labeled nucleic acid bound to the chip is detected qualitatively or quantitatively, and the resulting expression profile for the corresponding candidate nucleotide sequences is recorded. It is appreciated that the probe used for diagnostic purposes may be identical to the probe used during diagnostic nucleotide sequence discovery and validation. Alternatively, the probe sequence may be different than the sequence used in diagnostic nucleotide sequence discovery and validation. Multiple cDNAs from a nucleotide sequence that are non-overlapping or partially overlapping may also be used.

[0153] In another approach, oligonucleotides corresponding to members of a candidate nucleotide library are synthesized and spotted onto an array. Alternatively, oligonucleotides are synthesized onto the array using methods known in the art, e.g. Hughes, et al. *supra*. The oligonucleotide is designed to be complementary to any portion of the candidate nucleotide sequence. In addition, in the context of expression analysis for, e.g. diagnostic use of diagnostic nucleotide sets, an oligonucleotide can be designed to exhibit particular hybridization characteristics, or to exhibit a particular specificity and/or sensitivity, as further described below.

[0154] Hybridization signal may be amplified using methods known in the art, and as described herein, for example use of the Clontech kit (Glass Fluorescent Labeling Kit), Stratagene kit (Fairplay Microarray Labeling Kit), the Micromax kit (New England Nuclear, Inc.), the Genisphere kit (3DNA Submicro), linear amplification, e.g. as described in U.S. Patent No. 6,132,997 or described in Hughes, TR, et al., Nature Biotechnology, 19:343-347 (2001) and/or Westin et al. Nat Biotech. 18:199-204.

[0155] Alternatively, fluorescently labeled cDNA are hybridized directly to the microarray using methods known in the art. For example, labeled cDNA are generated by reverse transcription using Cy3- and Cy5-conjugated deoxynucleotides, and the reaction products purified using standard methods. It is appreciated that the methods for signal amplification of expression data useful for identifying diagnostic nucleotide sets are also useful for amplification of expression data for diagnostic purposes.

[0156] Microarray expression may be detected by scanning the microarray with a variety of laser or CCD-based scanners, and extracting features with numerous software packages, for example, Imagene (Biodiscovery), Feature Extraction (Agilent), Scanalyze (Eisen, M. 1999. SCANALYZE User Manual; Stanford Univ., Stanford, CA. Ver 2.32.), GenePix (Axon Instruments).

In another approach, hybridization to microelectric arrays is performed, e.g. as described in Umek et al (2001) <u>J Mol Diagn.</u> 3:74-84. An affinity probe, e.g. DNA, is deposited on a metal surface. The metal surface underlying each probe is connected to a metal wire and electrical signal detection system. Unlabelled RNA or cDNA is hybridized to the array, or alternatively, RNA or cDNA sample is amplified before hybridization, e.g. by PCR. Specific hybridization of sample RNA or cDNA results in generation of an electrical signal, which is transmitted to a detector. See Westin (2000) Nat Biotech. 18:199-204 (describing anchored multiplex amplification of a microelectronic chip array); Edman (1997) NAR 25:4907-14; Vignali (2000) J. Immunol Methods 243:243-55.

In another approach, a microfluidics chip is used for RNA sample [0158] preparation and analysis. This approach increases efficiency because sample preparation and analysis are streamlined. Briefly, microfluidics may be used to sort specific leukocyte sub-populations prior to RNA preparation and analysis. Microfluidics chips are also useful for, e.g., RNA preparation, and reactions involving RNA (reverse transcription, RT-PCR). Briefly, a small volume of whole, anti-coagulated blood is loaded onto a microfluidics chip, for example chips available from Caliper (Mountain View, CA) or Nanogen (San Diego, CA.) A microfluidics chip may contain channels and reservoirs in which cells are moved and reactions are performed. Mechanical, electrical, magnetic, gravitational, centrifugal or other forces are used to move the cells and to expose them to reagents. For example, cells of whole blood are moved into a chamber containing hypotonic saline, which results in selective lysis of red blood cells after a 20-minute incubation. Next, the remaining cells (leukocytes) are moved into a wash chamber and finally, moved into a chamber containing a lysis buffer such as guanidine isothyocyanate. The leukocyte cell lysate is further processed for RNA isolation in the chip, or is then removed for further processing, for example, RNA

extraction by standard methods. Alternatively, the microfluidics chip is a circular disk containing ficoll or another density reagent. The blood sample is injected into the center of the disc, the disc is rotated at a speed that generates a centrifugal force appropriate for density gradient separation of mononuclear cells, and the separated mononuclear cells are then harvested for further analysis or processing.

[0159] It is understood that the methods of expression evaluation, above, although discussed in the context of discovery of diagnostic nucleotide sets, are also applicable for expression evaluation when using diagnostic nucleotide sets for, e.g. diagnosis of diseases, as further discussed below.

Evaluation of expression patterns

[0160] Expression patterns can be evaluated by qualitative and/or quantitative measures. Certain of the above described techniques for evaluating gene expression (as RNA or protein products) yield data that are predominantly qualitative in nature. That is, the methods detect differences in expression that classify expression into distinct modes without providing significant information regarding quantitative aspects of expression. For example, a technique can be described as a qualitative technique if it detects the presence or absence of expression of a candidate nucleotide sequence, i.e., an on/off pattern of expression. Alternatively, a qualitative technique measures the presence (and/or absence) of different alleles, or variants, of a gene product.

[0161] In contrast, some methods provide data that characterizes expression in a quantitative manner. That is, the methods relate expression on a numerical scale, e.g., a scale of 0-5, a scale of 1-10, a scale of + - ++++, from grade 1 to grade 5, a grade from a to z, or the like. It will be understood that the numerical, and symbolic examples provided are arbitrary, and that any graduated scale (or any symbolic representation of a graduated scale) can be employed in the context of the present invention to describe quantitative differences in nucleotide sequence expression. Typically, such methods yield information corresponding to a relative increase or decrease in expression.

[0162] Any method that yields either quantitative or qualitative expression data is suitable for evaluating expression of candidate nucleotide sequence in a subject sample of leukocytes. In some cases, e.g., when multiple methods are employed to determine expression patterns for a plurality of candidate nucleotide sequences, the recovered data,

e.g., the expression profile, for the nucleotide sequences is a combination of quantitative and qualitative data.

In some applications, expression of the plurality of candidate nucleotide sequences is evaluated sequentially. This is typically the case for methods that can be characterized as low- to moderate-throughput. In contrast, as the throughput of the elected assay increases, expression for the plurality of candidate nucleotide sequences in a sample or multiple samples of leukocytes, is assayed simultaneously. Again, the methods (and throughput) are largely determined by the individual practitioner, although, typically, it is preferable to employ methods that permit rapid, e.g. automated or partially automated, preparation and detection, on a scale that is time-efficient and cost-effective.

[0164] It is understood that the preceding discussion, while directed at the assessment of expression of the members of candidate libraries, is also applies to the assessment of the expression of members of diagnostic nucleotide sets, as further discussed below.

Genotyping

[0165] In addition to, or in conjunction with the correlation of expression profiles and clinical data, it is often desirable to correlate expression patterns with the subject's genotype at one or more genetic loci. The selected loci can be, for example, chromosomal loci corresponding to one or more member of the candidate library, polymorphic alleles for marker loci, or alternative disease related loci (not contributing to the candidate library) known to be, or putatively associated with, a disease (or disease criterion). Indeed, it will be appreciated, that where a (polymorphic) allele at a locus is linked to a disease (or to a predisposition to a disease), the presence of the allele can itself be a disease criterion.

[0166] Numerous well known methods exist for evaluating the genotype of an individual, including southern analysis, restriction fragment length polymorphism (RFLP) analysis, polymerase chain reaction (PCR), amplification length polymorphism (AFLP) analysis, single stranded conformation polymorphism (SSCP) analysis, single nucleotide polymorphism (SNP) analysis (e.g., via PCR, Taqman or molecular beacons), among many other useful methods. Many such procedures are readily adaptable to high throughput and/or automated (or semi-automated) sample preparation and analysis

methods. Most, can be performed on nucleic acid samples recovered via simple procedures from the same sample of leukocytes as yielded the material for expression profiling. Exemplary techniques are described in, e.g., Sambrook, and Ausubel, *supra*.

Identification of the diagnostic nucleotide sets of the invention

[0167] Identification of diagnostic nucleotide sets and disease specific target nucleotide sequence proceeds by correlating the leukocyte expression profiles with data regarding the subject's health status to produce a data set designated a "molecular signature." Examples of data regarding a patient's health status, also termed "disease criteria(ion)", is described below and in the Section titled "selected diseases," below. Methods useful for correlation analysis are further described elsewhere in the specification.

[0168] Generally, relevant data regarding the subject's health status includes retrospective or prospective health data, e.g., in the form of the subject's medical history, as provided by the subject, physician or third party, such as, medical diagnoses, laboratory test results, diagnostic test results, clinical events, or medication lists, as further described below. Such data may include information regarding a patient's response to treatment and/or a particular medication and data regarding the presence of previously characterized "risk factors." For example, cigarette smoking and obesity are previously identified risk factors for heart disease. Further examples of health status information, including diseases and disease criteria, is described in the section titled Selected diseases, below.

[0169] Typically, the data describes prior events and evaluations (i.e., retrospective data). However, it is envisioned that data collected subsequent to the sampling (i.e., prospective data) can also be correlated with the expression profile. The tissue sampled, e.g., peripheral blood, bronchial lavage, etc., can be obtained at one or more multiple time points and subject data is considered retrospective or prospective with respect to the time of sample procurement.

[0170] Data collected at multiple time points, called "longitudinal data", is often useful, and thus, the invention encompasses the analysis of patient data collected from the same patient at different time points. Analysis of paired samples, such as samples from a patient at different time, allows identification of differences that are specifically related to

the disease state since the genetic variability specific to the patient is controlled for by the comparison. Additionally, other variables that exist between patients may be controlled for in this way, for example, the presence or absence of inflammatory diseases (e.g., rheumatoid arthritis) the use of medications that may effect leukocyte gene expression, the presence or absence of co-morbid conditions, etc. Methods for analysis of paired samples are further described below. Moreover, the analysis of a pattern of expression profiles (generated by collecting multiple expression profiles) provides information relating to changes in expression level over time, and may permit the determination of a rate of change, a trajectory, or an expression curve. Two longitudinal samples may provide information on the change in expression of a gene over time, while three longitudinal samples may be necessary to determine the "trajectory" of expression of a gene. Such information may be relevant to the diagnosis of a disease. For example, the expression of a gene may vary from individual to individual, but a clinical event, for example, a heart attack, may cause the level of expression to double in each patient. In this example, clinically interesting information is gleaned from the change in expression level, as opposed to the absolute level of expression in each individual.

[0171] Generally, small sample sizes of 10-40 samples from 10-20 individuals are used to identify a diagnostic nucleotide set. Larger sample sizes are generally necessary to validate the diagnostic nucleotide set for use in large and varied patient populations, as further described below. For example, extension of gene expression correlations to varied ethnic groups, demographic groups, nations, peoples or races may require expression correlation experiments on the population of interest.

Expression Reference Standards

[0172] Expression profiles derived from a patient (i.e., subjects diagnosed with, or exhibiting symptoms of, or exhibiting a disease criterion, or under a doctor's care for a disease) sample are compared to a control or standard expression RNA to facilitate comparison of expression profiles (e.g. of a set of candidate nucleotide sequences) from a group of patients relative to each other (i.e., from one patient in the group to other patients in the group, or to patients in another group).

[0173] For example, in one approach to identifying diagnostic nucleotide sets, expression profiles derived from patient samples are compared to a expression reference

"standard." Standard expression reference can be, for example, RNA derived from resting cultured leukocytes or commercially available reference RNA, such as Universal reference RNA from Stratagene. *See* Nature, V406, 8-17-00, p. 747-752. Use of an expression reference standard is particularly useful when the expression of large numbers of nucleotide sequences is assayed, e.g. in an array, and in certain other applications, e.g. qualitative PCR, RT-PCR, etc., where it is desirable to compare a sample profile to a standard profile, and/or when large numbers of expression profiles, e.g. a patient population, are to be compared. Generally, an expression reference standard should be available in large quantities, should be a good substrate for amplification and labeling reactions, and should be capable of detecting a large percentage of candidate nucleic acids using suitable expression profiling technology.

Alternatively, or in addition, the expression profile derived from a patient sample is compared with the expression of an internal reference control gene, for example, β-actin or CD4. The relative expression of the profiled genes and the internal reference control gene (from the same individual) is obtained. An internal reference control may also be used with a reference RNA. For example, an expression profile for "gene 1" and the gene encoding CD4 can be determined in a patient sample and in a reference RNA. The expression of each gene can be expressed as the "relative" ratio of expression the gene in the patient sample compared with expression of the gene in the reference RNA. The expression ratio (sample/reference) for gene 1 may be divided by the expression ration for CD4 (sample/reference) and thus the relative expression of gene 1 to CD4 is obtained.

[0175] The invention also provides a buffy coat control RNA useful for expression profiling, and a method of using control RNA produced from a population of buffy coat cells, the white blood cell layer derived from the centrifugation of whole blood. Buffy coat contains all white blood cells, including granulocytes, mononuclear cells and platelets. The invention also provides a method of preparing control RNA from buffy coat cells for use in expression profile analysis of leukocytes. Buffy coat fractions are obtained, e.g. from a blood bank or directly from individuals, preferably from a large number of individuals such that bias from individual samples is avoided and so that the RNA sample represents an average expression of a healthy population. Buffy coat

fractions from about 50 or about 100, or more individuals are preferred. 10 ml buffy coat from each individual is used. Buffy coat samples are treated with an erthythrocyte lysis buffer, so that erthythrocytes are selectively removed. The leukocytes of the buffy coat layer are collected by centrifugation. Alternatively, the buffy cell sample can be further enriched for a particular leukocyte sub-populations, e.g. mononuclear cells, Tlymphocytes, etc. To enrich for mononuclear cells, the buffy cell pellet, above, is diluted in PBS (phosphate buffered saline) and loaded onto a non-polystyrene tube containing a polysucrose and sodium diatrizoate solution adjusted to a density of 1.077+/-0.001 g/ml. To enrich for T-lymphocytes, 45 ml of whole blood is treated with RosetteSep (Stem Cell Technologies), and incubated at room temperature for 20 minutes. The mixture is diluted with an equal volume of PBS plus 2% FBS and mixed by inversion. 30 ml of diluted mixture is layered on top of 15 ml DML medium (Stem Cell Technologies). The tube is centrifuged at 1200 x g, and the enriched cell layer at the plasma: medium interface is removed, washed with PBS + 2% FBS, and cells collected by centrifugation at 1200 x g. The cell pellet is treated with 5 ml of erythrocyte lysis buffer (EL buffer, Qiagen) for 10 minutes on ice, and enriched T-lymphoctes are collected by centrifugation.

[0176] In addition or alternatively, the buffy cells (whole buffy coat or sub-population, e.g. mononuclear fraction) can be cultured *in vitro* and subjected to stimulation with cytokines or activating chemicals such as phorbol esters or ionomycin. Such stimuli may increase expression of nucleotide sequences that are expressed in activated immune cells and might be of interest for leukocyte expression profiling experiments.

[0177] Following sub-population selection and/or further treatment, e.g. stimulation as described above, RNA is prepared using standard methods. For example, cells are pelleted and lysed with a phenol/guanidinium thiocyanate and RNA is prepared. RNA can also be isolated using a silica gel-based purification column or the column method can be used on RNA isolated by the phenol/guanidinium thiocyanate method. RNA from individual buffy coat samples can be pooled during this process, so that the resulting reference RNA represents the RNA of many individuals and individual bias is minimized or eliminated. In addition, a new batch of buffy coat reference RNA can be directly compared to the last batch to ensure similar expression pattern from one batch to

another, using methods of collecting and comparing expression profiles described above/below. One or more expression reference controls are used in an experiment. For example, RNA derived from one or more of the following sources can be used as controls for an experiment: stimulated or unstimulated whole buffy coat, stimulated or unstimulated peripheral mononuclear cells, or stimulated or unstimulated T-lymphocytes.

Alternatively, the expression reference standard can be derived from any [0178] subject or class of subjects including healthy subjects or subjects diagnosed with the same or a different disease or disease criterion. Expression profiles from subjects in two distinct classes are compared to determine which subset of nucleotide sequences in the candidate library best distinguish between the two subject classes, as further discussed below. It will be appreciated that in the present context, the term "distinct classes" is relevant to at least one distinguishable criterion relevant to a disease of interest, a "disease criterion." The classes can, of course, demonstrate significant overlap (or identity) with respect to other disease criteria, or with respect to disease diagnoses, prognoses, or the like. The mode of discovery involves, e.g., comparing the molecular signature of different subject classes to each other (such as patient to control, patients with a first diagnosis to patients with a second diagnosis, etc.) or by comparing the molecular signatures of a single individual taken at different time points. The invention can be applied to a broad range of diseases, disease criteria, conditions and other clinical and/or epidemiological questions, as further discussed above/below.

[0179] It is appreciated that while the present discussion pertains to the use of expression reference controls while identifying diagnostic nucleotide sets, expression reference controls are also useful during use of diagnostic nucleotide sets, e.g. use of a diagnostic nucleotide set for diagnosis of a disease, as further described below.

Analysis of expression profiles

[0180] In order to facilitate ready access, e.g., for comparison, review, recovery, and/or modification, the molecular signatures/expression profiles are typically recorded in a database. Most typically, the database is a relational database accessible by a computational device, although other formats, e.g., manually accessible indexed files of expression profiles as photographs, analogue or digital imaging readouts, spreadsheets, etc. can be used. Further details regarding preferred embodiments are provided below.

Regardless of whether the expression patterns initially recorded are analog or digital in nature and/or whether they represent quantitative or qualitative differences in expression, the expression patterns, expression profiles (collective expression patterns), and molecular signatures (correlated expression patterns) are stored digitally and accessed via a database. Typically, the database is compiled and maintained at a central facility, with access being available locally and/or remotely.

[0181] As additional samples are obtained, and their expression profiles determined and correlated with relevant subject data, the ensuing molecular signatures are likewise recorded in the database. However, rather than each subsequent addition being added in an essentially passive manner in which the data from one sample has little relation to data from a second (prior or subsequent) sample, the algorithms optionally additionally query additional samples against the existing database to further refine the association between a molecular signature and disease criterion. Furthermore, the data set comprising the one (or more) molecular signatures is optionally queried against an expanding set of additional or other disease criteria. The use of the database in integrated systems and web embodiments is further described below.

Analysis of expression profile data from arrays

[0182] Expression data is analyzed using methods well known in the art, including the software packages Imagene (Biodiscovery, Marina del Rey, CA), Feature Extraction (Agilent, Palo Alto, CA), and Scanalyze (Stanford University). In the discussion that follows, a "feature" refers to an individual spot of DNA on an array . Each gene may have more than one feature. For example, hybridized microarrays are scanned and analyzed on an Axon Instruments scanner using GenePix 3.0 software (Axon Instruments, Union City, CA). The data extracted by GenePix is used for all downstream quality control and expression evaluation. The data is derived as follows. The data for all features flagged as "not found" by the software is removed from the dataset for individual hybridizations. The "not found" flag by GenePix indicates that the software was unable to discriminate the feature from the background. Each feature is examined to determine the value of its signal. The median pixel intensity of the background (B_n) is subtracted from the median pixel intensity of the feature (F_n) to produce the background-subtracted signal (hereinafter, "BGSS"). The BGSS is divided

by the standard deviation of the background pixels to provide the signal-to-noise ratio (hereinafter, "S/N"). Features with a S/N of three or greater in both the Cy3 channel (corresponding to the sample RNA) and Cy5 channel (corresponding to the reference RNA) are used for further analysis (hereinafter denoted "useable features"). Alternatively, different S/Ns are used for selecting expression data for an analysis. For example, only expression data with signal to noise ratios > 3 might be used in an analysis.

[0183] For each usable feature (i), the expression level (e) is expressed as the logarithm of the ratio (R) of the Background Subtracted Signal (hereinafter "BGSS") for the Cy3 (sample RNA) channel divided by the BGSS for the Cy5 channel (reference RNA). This "log ratio" value is used for comparison to other experiments.

$$R_i = \frac{BGSS_{sample}}{BGSS_{reference}} \tag{0.1}$$

$$e_i = \log r_i \tag{0.2}$$

[0184] Variation in signal across hybridizations may be caused by a number of factors affecting hybridization, DNA spotting, wash conditions, and labeling efficiency.

[0185] A single reference RNA may be used with all of the experimental RNAs, permitting multiple comparisons in addition to individual comparisons. By comparing sample RNAs to the same reference, the gene expression levels from each sample are compared across arrays, permitting the use of a consistent denominator for our

Scaling

experimental ratios.

[0186] The data may be scaled (normalized) to control for labeling and hybridization variability within the experiment, using methods known in the art. Scaling is desirable because it facilitates the comparison of data between different experiments, patients, etc. Generally the BGSS are scaled to a factor such as the median, the mean, the

trimmed mean, and percentile. Additional methods of scaling include: to scale between 0 and 1, to subtract the mean, or to subtract the median.

[0187] Scaling is also performed by comparison to expression patterns obtained using a common reference RNA, as described in greater detail above. As with other scaling methods, the reference RNA facilitates multiple comparisons of the expression data, e.g., between patients, between samples, etc. Use of a reference RNA provides a consistent denominator for experimental ratios.

[0188] In addition to the use of a reference RNA, individual expression levels may be adjusted to correct for differences in labeling efficiency between different hybridization experiments, allowing direct comparison between experiments with different overall signal intensities, for example. A scaling factor (a) may be used to adjust individual expression levels as follows. The median of the scaling factor (a), for example, BGSS, is determined for the set of all features with a S/N greater than three. Next, the BGSS_i (the BGSS for each feature "i") is divided by the median for all features (a), generating a scaled ratio. The scaled ration is used to determine the expression value for the feature (e_i) , or the log ratio.

$$S_i = \frac{BGSS_i}{a} \tag{0.3}$$

$$e_i = \log\left(\frac{Cy3S_i}{Cy5S_i}\right) \tag{0.4}$$

[0189] In addition, or alternatively, control features are used to normalize the data for labeling and hybridization variability within the experiment. Control feature may be cDNA for genes from the plant, *Arabidopsis thaliana*, that are included when spotting the mini-array. Equal amounts of RNA complementary to control cDNAs are added to each of the samples before they were labeled. Using the signal from these control genes, a normalization constant (*L*) is determined according to the following formula:

$$L_{j} = \frac{\sum_{i=1}^{N} BGSS_{j,i}}{N}$$

$$\frac{\sum_{j=1}^{K} \sum_{i=1}^{N} BGSS_{j,i}}{N}$$

$$K$$

where BGSS_i is the signal for a specific feature, N is the number of A. thaliana control features, K is the number of hybridizations, and L_j is the normalization constant for each individual hybridization.

[0190] Using the formula above, the mean for all control features of a particular hybridization and dye (e.g., Cy3) is calculated. The control feature means for all Cy3 hybridizations are averaged, and the control feature mean in one hybridization divided by the average of all hybridizations to generate a normalization constant for that particular Cy3 hybridization (L_i), which is used as a in equation (0.3). The same normalization steps may be performed for Cy3 and Cy5 values.

[0191] Many additional methods for normalization exist and can be applied to the data. In one method, the average ratio of Cy3 BGSS / Cy5 BGSS is determined for all features on an array. This ratio is then scaled to some arbitrary number, such as 1 or some other number. The ratio for each probe is then multiplied by the scaling factor required to bring the average ratio to the chosen level. This is performed for each array in an analysis. Alternatively, the ratios are normalized to the average ratio across all arrays in an analysis.

Correlation analysis

[0192] Correlation analysis is performed to determine which array probes have expression behavior that best distinguishes or serves as markers for relevant groups of samples representing a particular clinical condition. Correlation analysis, or comparison among samples representing different disease criteria (e.g., clinical conditions), is performed using standard statistical methods. Numerous algorithms are useful for correlation analysis of expression data, and the selection of algorithms depends in part on the data analysis to be performed. For example, algorithms can be used to identify the

single most informative gene with expression behavior that reliably classifies samples, or to identify all the genes useful to classify samples. Alternatively, algorithms can be applied that determine which set of 2 or more genes have collective expression behavior that accurately classifies samples. The use of multiple expression markers for diagnostics may overcome the variability in expression of a gene between individuals, or overcome the variability intrinsic to the assay. Multiple expression markers may include redundant markers, in that two or more genes or probes may provide the same information with respect to diagnosis. This may occur, for example, when two or more genes or gene probes are coordinately expressed. It will be appreciated that while the discussion above pertains to the analysis of RNA expression profiles the discussion is equally applicable to the analysis of profiles of proteins or other molecular markers.

[0193] Prior to analysis, expression profile data may be formatted or prepared for analysis using methods known in the art. For example, often the log ratio of scaled expression data for every array probe is calculated using the following formula:

[0194] log (Cy 3 BGSS/ Cy5 BGSS), where Cy 3 signal corresponds to the expression of the gene in the clinical sample, and Cy5 signal corresponds to expression of the gene in the reference RNA.

[0195] Data may be further filtered depending on the specific analysis to be done as noted below. For example, filtering may be aimed at selecting only samples with expression above a certain level, or probes with variability above a certain level between sample sets.

[0196] The following non-limiting discussion consider several statistical methods known in the art. Briefly, the t-test and ANOVA are used to identify single genes with expression differences between or among populations, respectively. Multivariate methods are used to identify a set of two or more genes for which expression discriminates between two disease states more specifically than expression of any single gene.

t-test

[0197] The simplest measure of a difference between two groups is the Student's t test. See, e.g., Welsh et al. (2001) Proc Natl Acad Sci USA 98:1176-81 (demonstrating the use of an unpaired Student's t-test for the discovery of differential gene expression in

ovarian cancer samples and control tissue samples). The t- test assumes equal variance and normally distributed data. This test identifies the probability that there is a difference in expression of a single gene between two groups of samples. The number of samples within each group that is required to achieve statistical significance is dependent upon the variation among the samples within each group. The standard formula for a t-test is:

$$t(e_i) = \frac{\overline{e}_{i,c} - \overline{e}_{i,t}}{\sqrt{(s_{i,c}^2/n_c) + (s_{i,t}^2/n_t)}},$$
(0.5)

[0198] where \bar{e}_i is the difference between the mean expression level of gene i in groups c and t, $s_{i,c}$ is the variance of gene x in group c and $s_{i,t}$ is the variance of gene x in group t. n_c and n_t are the numbers of samples in groups c and t.

[0199] The combination of the t statistic and the degrees of freedom $[\min(n_t, n_c)$ 1] provides a p value, the probability of rejecting the null hypothesis. A p-value of ≤ 0.01 , signifying a 99 percent probability the mean expression levels are different between the two groups (a 1% chance that the mean expression levels are in fact not different and that the observed difference occurred by statistical chance), is often considered acceptable.

[0200] When performing tests on a large scale, for example, on a large dataset of about 8000 genes, a correction factor must be included to adjust for the number of individual tests being performed. The most common and simplest correction is the Bonferroni correction for multiple tests, which divides the p-value by the number of tests run. Using this test on an 8000 member dataset indicates that a p value of ≤ 0.00000125 is required to identify genes that are likely to be truly different between the two test conditions.

Wilcoxon's signed ranks test

[0201] This method is non-parametric and is utilized for paired comparisons. See e.g., Sokal and Rohlf (1987) Introduction to Biostatistics 2nd edition, WH Freeman, New York. At least 6 pairs are necessary to apply this statistic. This test is useful for analysis of paired expression data (for example, a set of patients who have cardiac transplant biopsy on 2 occasions and have a grade 0 on one occasion and a grade 3A on another).

ANOVA

[0202] Differences in gene expression across multiple related groups may be assessed using an Analysis of Variance (ANOVA), a method well known in the art (Michelson and Schofield, 1996).

Multivariate analysis

[0203] Many algorithms suitable for multivariate analysis are known in the art. Generally, a set of two or more genes for which expression discriminates between two disease states more specifically than expression of any single gene is identified by searching through the possible combinations of genes using a criterion for discrimination, for example the expression of gene X must increase from normal 300 percent, while the expression of genes Y and Z must decrease from normal by 75 percent. Ordinarily, the search starts with a single gene, then adds the next best fit at each step of the search. Alternatively, the search starts with all of the genes and genes that do not aid in the discrimination are eliminated step-wise.

Paired samples

[0204] Paired samples, or samples collected at different time-points from the same patient, are often useful, as described above. For example, use of paired samples permits the reduction of variation due to genetic variation among individuals. In addition, the use of paired samples has a statistical significance, in that data derived from paired samples can be calculated in a different manner that recognizes the reduced variability. For example, the formula for a t-test for paired samples is:

$$t(e_x) = \frac{\overline{D}_{\bar{e}_x}}{\sqrt{\frac{\sum D^2 - (\sum D)^2 / b}{b - 1}}},$$
 (0.5)

[0205] where D is the difference between each set of paired samples and b is the number of sample pairs. \overline{D} is the mean of the differences between the members of the pairs. In this test, only the differences between the paired samples are considered, then grouped together (as opposed to taking all possible differences between groups, as would

be the case with an ordinary t-test). Additional statistical tests useful with paired data, e.g., ANOVA and Wilcoxon's signed rank test, are discussed above.

Diagnostic classification

[0206] Once a discriminating set of genes is identified, the diagnostic classifier (a mathematical function that assigns samples to diagnostic categories based on expression data) is applied to unknown sample expression levels.

[0207] Methods that can be used for this analysis include the following non-limiting list:

[0208] CLEAVER is an algorithm used for classification of useful expression profile data. See Raychaudhuri et al. (2001) <u>Trends Biotechnol</u> 19:189-193. CLEAVER uses positive training samples (e.g., expression profiles from samples known to be derived from a particular patient or sample diagnostic category, disease or disease criteria), negative training samples (e.g., expression profiles from samples known not to be derived from a particular patient or sample diagnostic category, disease or disease criteria) and test samples (e.g., expression profiles obtained from a patient), and determines whether the test sample correlates with the particular disease or disease criteria, or does not correlate with a particular disease or disease criteria. CLEAVER also generates a list of the 20 most predictive genes for classification.

patterns in complex data sets and can discover expression criteria that classify samples into more than 2 groups. The use of artificial neural networks for discovery of gene expression diagnostics for cancers using expression data generated by oligonucleotide expression microarrays is demonstrated by Khan et al. (2001) Nature Med. 7:673-9. Khan found that 96 genes provided 0% error rate in classification of the tumors. The most important of these genes for classification was then determined by measuring the sensitivity of the classification to a change in expression of each gene. Hierarchical clustering using the 96 genes results in correct grouping of the cancers into diagnostic categories.

[0210] Golub uses cDNA microarrays and a distinction calculation to identify genes with expression behavior that distinguishes myeloid and lymphoid leukemias. See Golub et al. (1999) Science 286:531-7. Self organizing maps were used for new class

discovery. Cross validation was done with a "leave one out" analysis. 50 genes were identified as useful markers. This was reduced to as few as 10 genes with equivalent diagnostic accuracy.

[0211] Hierarchical and non-hierarchical clustering methods are also useful for identifying groups of genes that correlate with a subset of clinical samples such as with transplant rejection grade. Alizadeh used hierarchical clustering as the primary tool to distinguish different types of diffuse B-cell lymphomas based on gene expression profile data. See Alizadeh et al. (2000) Nature 403:503-11. Alizadeh used hierarchical clustering as the primary tool to distinguish different types of diffuse B-cell lymphomas based on gene expression profile data. A cDNA array carrying 17856 probes was used for these experiments, 96 samples were assessed on 128 arrays, and a set of 380 genes was identified as being useful for sample classification.

[0212] Perou demonstrates the use of hierarchical clustering for the molecular classification of breast tumor samples based on expression profile data. See Perou el al. (2000) Nature 406:747-52. In this work, a cDNA array carrying 8102 gene probes was used. 1753 of these genes were found to have high variation between breast tumors and were used for the analysis.

Hastie describes the use of gene shaving for discovery of expression markers. Hastie et al. (2000) Genome Biol. 1(2):RESEARCH 0003.1-0003.21. The gene shaving algorithm identifies sets of genes with similar or coherent expression patterns, but large variation across conditions (RNA samples, sample classes, patient classes). In this manner, genes with a tight expression pattern within a transplant rejection grade, but also with high variability across rejection grades are grouped together. The algorithm takes advantage of both characteristics in one grouping step. For example, gene shaving can identify useful marker genes with co-regulated expression. Sets of useful marker genes can be reduced to a smaller set, with each gene providing some non-redundant value in classification. This algorithm was used on the data set described in Alizadeh et al., supra, and the set of 380 informative gene markers was reduced to 234.

Selected Diseases

[0214] In principle, diagnostic nucleotide sets of the invention may be developed and applied to essentially any disease, or disease criterion, as long as at least one subset

of nucleotide sequences is differentially expressed in samples derived from one or more individuals with a disease criteria or disease and one or more individuals without the disease criteria or disease, wherein the individual may be the same individual sampled at different points in time, or the individuals may be different individuals (or populations of individuals). For example, the subset of nucleotide sequences may be differentially expressed in the sampled tissues of subjects with the disease or disease criterion (e.g., a patient with a disease or disease criteria) as compared to subjects without the disease or disease criterion (e.g., patients without a disease (control patients)). Alternatively, or in addition, the subset of nucleotide sequence(s) may be differentially expressed in different samples taken from the same patient, e.g at different points in time, at different disease stages, before and after a treatment, in the presence or absence of a risk factor, etc.

[0215] Expression profiles corresponding to sets of nucleotide sequences that correlate not with a diagnosis, but rather with a particular aspect of a disease can also be used to identify the diagnostic nucleotide sets and disease specific target nucleotide sequences of the invention. For example, such an aspect, or disease criterion, can relate to a subject's medical or family history, e.g., childhood illness, cause of death of a parent or other relative, prior surgery or other intervention, medications, symptoms (including onset and/or duration of symptoms), etc. Alternatively, the disease criterion can relate to a diagnosis, e.g., hypertension, diabetes, atherosclerosis, or prognosis (e.g., prediction of future diagnoses, events or complications), e.g., acute myocardial infarction, restenosis following angioplasty, reperfusion injury, allograft rejection, rheumatoid arthritis or systemic lupus erythematosis disease activity or the like. In other cases, the disease criterion corresponds to a therapeutic outcome, e.g., transplant rejection, bypass surgery or response to a medication, restenosis after stent implantation, collateral vessel growth due to therapeutic angiogenesis therapy, decreased angina due to revascularization, resolution of symptoms associated with a myriad of therapies, and the like. Alternatively, the disease criteria corresponds with previously identified or classic risk factors and may correspond to prognosis or future disease diagnosis. As indicated above, a disease criterion can also correspond to genotype for one or more loci. Disease criteria (including patient data) may be collected (and compared) from the same patient at different points in time, from different patients, between patients with a disease

(criterion) and patients respresenting a control population, etc. Longitudinal data, i.e., data collected at different time points from an individual (or group of individuals) may be used for comparisons of samples obtained from an individual (group of individuals) at different points in time, to permit identification of differences specifically related to the disease state, and to obtain information relating to the change in expression over time, including a rate of change or trajectory of expression over time. The usefulness of longitudinal data is further discussed in the section titled "Identification of diagnostic nucleotide sets of the invention".

[0216] It is further understood that diagnostic nucleotide sets may be developed for use in diagnosing conditions for which there is no present means of diagnosis. For example, in rheumatoid arthritis, joint destruction is often well under way before a patient experience symptoms of the condition. A diagnostic nucleotide set may be developed that diagnoses rheumatic joint destruction at an earlier stage than would be possible using present means of diagnosis, which rely in part on the presentation of symptoms by a patient. Diagnostic nucleotide sets may also be developed to replace or augment current diagnostic procedures. For example, the use of a diagnostic nucleotide set to diagnose cardiac allograft rejection may replace the current diagnostic test, a graft biopsy.

[0217] It is understood that the following discussion of diseases is exemplary and non-limiting, and further that the general criteria discussed above, e.g. use of family medical history, are generally applicable to the specific diseases discussed below.

[0218] In addition to leukocytes, as described throughout, the general method is applicable to nucleotide sequences that are differentially expressed in any subject tissue or cell type, by the collection and assessment of samples of that tissue or cell type. However, in many cases, collection of such samples presents significant technical or medical problems given the current state of the art.

Organ transplant rejection and success

[0219] A frequent complication of organ transplantation is recognition of the transplanted organ as foreign by the immune system resulting in rejection. Diagnostic nucleotide sets can be identified and validated for monitoring organ transplant success, rejection and treatment. Medications currently exist that suppress the immune system, and thereby decrease the rate of and severity of rejection. However, these drugs also

suppress the physiologic immune responses, leaving the patient susceptible to a wide variety of opportunistic infections. At present there is no easy, reliable way to diagnose transplant rejection. Organ biopsy is the preferred method, but this is expensive, painful and associated with significant risk and has inadequate sensitivity for focal rejection.

[0220] Diagnostic nucleotide sets of the present invention can be developed and validated for use as diagnostic tests for transplant rejection and success. It is appreciated that the methods of identifying diagnostic nucleotide sets are applicable to any organ transplant population. For example, diagnostic nucleotide sets are developed for cardiac allograft rejection and success. In some cases, disease criteria correspond to acute stage rejection diagnosis based on organ biopsy and graded using the International Society for Heart and Lung Transplantation ("ISHLT") criteria. Other disease criteria correspond to information from the patient's medical history and information regarding the organ donor. Alternatively, disease criteria include the presence or absence of cytomegalovirus (CMV) infection, Epstein-Barr virus (EBV) infection, allograft dysfunction measured by physiological tests of cardiac function (e.g., hemodynamic measurements from catheterization or echocardiograph data), and symptoms of other infections. Alternatively, disease criteria corresponds to therapeutic outcome, e.g. graft failure, retransplantation, transplant vasculopathy, response to immunosuppressive medications, etc. Disease criteria may further correspond to a rejection episode of at least moderate histologic grade, which results in treatment of the patient with additional corticosteroids, anti-T cell antibodies, or total lymphoid irradiation; a rejection with histologic grade 2 or higher; a rejection with histologic grade <2; the absence of histologic rejection and normal or unchanged allograft function (based on hemodynamic measurements from catheterization or on echocardiographic data); the presence of severe allograft dysfunction or worsening allograft dysfunction during the study period (based on hemodynamic measurements from catheterization or on echocardiographic data).; documented CMV infection by culture, histology, or PCR, and at least one clinical sign or symptom of infection; specific graft biopsy rejection grades; rejection of mild to moderate histologic severity prompting augmentation of the patient's chronic immunosuppressive regimen; rejection of mild to moderate severity with allograft dysfunction prompting plasmaphoresis or a diagnosis of "humoral" rejection; infections

other than CMV, especially infection with Epstein Barr virus (EBV); lymphoproliferative disorder (also called post-transplant lymphoma); transplant vasculopathy diagnosed by increased intimal thickness on intravascular ultrasound (IVUS), angiography, or acute myocardial infarction; graft failure or retransplantation; and all cause mortality. Further specific examples of clinical data useful as disease criteria are provided in Example 11.

[0221] In another example, diagnostic nucleotide sets are developed and validated for use in treatment of kidney allograft rejection. Disease criteria correspond to, e.g., results of biopsy analysis for kidney allograft rejection, serum creatine level, and urinalysis results. Another disease criteria corresponds to the need for hemodialysis or other renal replacement therapy. Diagnostic nucleotide sets are developed and validated for use in diagnosis and treatment of bone marrow transplant rejection and liver transplant rejection, respectively. Disease criteria for bone marrow transplant rejection correspond to the diagnosis and monitoring of graft rejection and/or graft versus host disease. Disease criteria for liver transplant rejection include levels of serum markers for liver damage and liver function such as AST (aspartate aminotransferase), ALT (alanine aminotransferase), Alkaline phosphatase, GGT, (gamma-glutamyl transpeptidase) Bilirubin, Albumin and Prothrombin time. Further disease criteria correspond to hepatic encephalopathy, medication usage, ascites, and histological rejection on graft biopsy. In addition, urine can be utilized for at the target tissue for profiling in renal transplant, while biliary and intestinal and feces may be used favorably for hepatic or intestinal organ allograft rejection.

Atherosclerosis and Stable Angina Pectoris

[0222] Over 50 million patients in the U.S. have atherosclerotic coronary artery disease (hereinafter, "CAD"), and it is of great importance to identify patients who will suffer complications from the disease. Atherosclerosis leads to progressive narrowing of the coronary arteries, which may lead to myocardial ischemia, which manifests as stable angina pectoris, or chest pain with exertion. In addition to chest pain, patients may also have shortness of breath (dyspnea), fatigue, nausea or other symptoms with exertion. Myocardial infarction (heart attack) and unstable angina are acute events associated with atherosclerosis. There is currently no way to accurately predict the occurrence of acute events in patients with atherosclerosis, however. Although the presence of classic risk

factors and arterial wall calcification (as assessed by CT scanning) is weakly correlated with the occurrence of acute coronary syndrome, the degree of artery stenosis (i.e. vessel occlusion as a result of atherosclerosis) correlates poorly with the occurrence of future acute events, as acute events occur more commonly in coronary arteries with 40-50% blockage than arteries that are 80-90% blocked. Coronary angiography can provide information about degree of coronary blockage, but is a poor tool for the measurement of disease activity and the prediction of the likelihood of acute events and other poor outcomes.

Diagnostic nucleotide sets are developed and validated for use in diagnosis and monitoring of atherosclerosis, and in predicting the likelihood of complications, e.g. angina and myocardial infarction. Alternatively, or in addition, disease criteria correspond to symptoms or diagnosis of disease progression, e.g. clinical results of angiography indicating progressive narrowing of vessel lumens. In another aspect, diagnostic nucleotide sets are developed for use in predicting the likelihood of future acute events in patients suffering from atherosclerosis. Disease criteria correspond to retrospective data, for example a recent history of unstable angina or myocardial infarction. Disease criteria also correspond to prospective data, for example, the occurrence of unstable angina or myocardial infarction. In another case, disease criteria correspond to standard medical indicators of occurrence of an acute event, e.g. serum enzyme levels, electrocardiographic testing, chest pain, nuclear magnetic imaging, etc.

Congestive Heart Failure

[0224] Congestive heart failure (hereinafter, "CHF") is a disease that affects increasing numbers of individuals. Without being bound by theory, it is believed that CHF is associated with systemic inflammation. Markers of systemic inflammation and serum cytokine levels such as erythrocyte sedimentation rate (ESR) and C-reactive protein (CRP) and serum cytokine levels are elevated (or altered) in patients with CHF, and elevation correlates with the severity and progression of the disease. Furthermore, serum catecholamine levels (epinephrine and norepinephrine) are also elevated in proportion to the severity of CHF, and may directly alter leukocyte expression patterns. Currently, echocardiography is the test primarily used to assess the severity of CHF and monitor progression of the disease. There are a number of drugs that are efficacious in

treating CHF, such as beta-blockers and ACE inhibitors. A leukocyte test with the ability to determine the rate of progression and the adequacy of therapy is of great interest.

Diagnostic nucleotide sets are developed and validated for use in diagnosis and monitoring of progression and rate of progression (activity) of CHF. Disease criteria correspond to the results of echocardiography testing, which may indicate diagnosis of CHF or increasing severity of CHF as evidenced by worsening parameters for ventricular function, such as the ejection fraction, fractional shortening, wall motion or ventricular pressures. Alternatively, or in addition, disease criteria correspond to hospitalization for CHF, death, pulmonary edema, increased cardiac chamber dimensions on echocardiography or another imaging test, exercise testing of hemodynamic measurements, serial CRP, other serum markers, NYHA functional classes, quality of life measures, renal function, transplant listing, pulmonary edema, left ventricular assist device use, medication use and changes, and worsening of Ejection Fraction by echocardiography, angiography, MRI, CT or nuclear imaging. In another aspect, disease criteria correspond to response to drug therapy, e.g. beta-blockers or ACE inhibitors.

Risk factors for coronary artery disease

In the established and classic risks for the occurrence of coronary artery disease and complications of that disease are: cigarette smoking, diabetes, hypertension, hyperlipidemia and a family history of early atherosclerosis. Obesity, sedentary lifestyle, syndrome X, cocaine use, chronic hemodialysis and renal disease, radiation exposure, endothelial dysfunction, elevated plasma homocysteine, elevated plasma lipoprotein a, elevated CRP, infection with CMV and chlamydia infection are less well established, controversial, or putative risk factors for the disease. Risk factors are known to be associated with patient prognosis and outcome, but the contribution of each risk factor to the future clinical state of a patient is difficult to measure. The effect of risk factor modification (e.g., smoking cessation, treatment of hypercholesterolemia) on overall risk and future outcome is also difficult to quantify.

[0227] Diagnostic nucleotide sets may be developed that correlate with these risk factors, or the sum of the risk factors for use in predicting occurrence of coronary artery disease. Disease criteria correspond to risk factors, as exemplified above, as well as to occurrence of coronary artery disease. Alternatively, or in addition, disease criteria

corresponding to risk factors may contribute to a numerical weighted average, which itself may be treated as a disease criteria and may be used for correlation to gene expression. In another aspect, risk factors may be modified in a patient, e.g. by behavioral change, or decrease cholesterol through chemotherapy in patients with hypocholesteremia. Disease criteria may further correspond to diagnosis of coronary disease.

Restenosis

Angioplasty can re-open a narrowed artery. However, the long-term success rate of these procedures is limited by restenosis, the re-narrowing of a coronary artery after an angioplasty. Currently, about 50% of treated arteries re-narrow after angioplasty and about 30% re-narrow after standard stent placement. Restenosis usually becomes apparent within 3 months of the angioplasty procedure. Presently, there is no reliable method for predicting which arteries will succumb to restenosis, though small vessels tend to be more likely to re-narrow, as do vessels of diabetics, renal patients and vessels exposed to high-pressure balloon inflation during balloon angioplasty.

Diagnostic nucleotide sets are developed and validated to predict restenosis in patients before undergoing angioplasty or shortly thereafter. Disease criteria correspond to angiogram testing (diagnosis of restenosis), as well as clinical symptoms of restenosis, e.g. chest pain due to re-narrowing of the artery, as confirmed by angiogram. Anti-restenotic drug therapy is also identified for each patient. The diagnostic nucleotide set are useful to identify patients about to undergo angioplasty who would benefit from stents, radiation-emitting stents, and anti-restenotic drug delivering stents. Patients that would benefit from post-angioplasty anti-restenotic drug therapy may also be identified.

Rheumatoid Arthritis

[0230] Rheumatoid arthritis (RA) effects about two million patients in the US and is a chronic and debilitating inflammatory arthritis, particularly involving pain and destruction of the joints. RA often goes undiagnosed because patients may have no pain, but the disease is actively destroying the joint. Other patients are known to have RA, and are treated to alleviate symptoms, but the rate of progression of joint destruction can't easily be monitored. Drug therapy is available, but the most effective medicines are toxic

(e.g., steroids, methotrexate) and thus need to be used with caution. A new class of medications (TNF blockers) is very effective, but the drugs are expensive, have side effects, and not all patients respond. Side-effects are common and include immune suppression, toxicity to organ systems, allergy and metabolic disturbances.

[0231] Diagnostic nucleotide sets of the invention are developed and validated for use in diagnosis and treatment of RA. Disease criteria correspond to disease symptoms (e.g., joint pain, joint swelling and joint stiffness and any of the American College for Rheumatology criteria for the diagnosis of RA, see Arnett et al (1988) Arthr. Rheum. 31:315-24), progression of joint destruction (e.g. as measured by serial hand radiographs, assessment of joint function and mobility), surgery, need for medication, additional diagnoses of inflammatory and non-inflammatory conditions, and clinical laboratory measurements including complete blood counts with differentials, CRP, ESR, ANA, Serum IL6, Soluble CD40 ligand, LDL, HDL, Anti-DNA antibodies, rheumatoid factor, C3, C4, serum creatinine. In addition, or alternatively, disease criteria correspond to response to drug therapy and presence or absence of side-effects or measures of improvement exemplified by the American College of Rheumatology "20%" and "50%" response/improvement rates. See Felson et al (1995) Arthr Rheum 38:531-37. Diagnostic nucleotide sets are identified that monitor and predict disease progression including flaring (acute worsening of disease accompanied by joint pain or other symptoms), response to drug treatment and likelihood of side-effects.

[0232] In addition to peripheral leukocytes, surgical specimens of rheumatoid joints can be used for leukocyte expression profiling experiments. Members of diagnostic nucleotide sets are candidates for leukocyte target nucleotide sequences, e.g. as a candidate drug target for rheumatoid arthritis.

Systemic Lupus Erythematosis (SLE)

[0233] SLE is a chronic, systemic inflammatory disease characterized by dysregulation of the immune system, which effects up to 2 million patients in the US. Symptoms of SLE include rashes, joint pain, abnormal blood counts, renal dysfunction and damage, infections, CNS disorders, arthralgias and autoimmunity. Patients may also have early onset atherosclerosis.

[0234] Diagnostic nucleotide sets are identified and validated for use in diagnosis and monitoring of SLE activity and progression. Disease criteria correspond to clinical data, e.g. symptom rash, joint pain, malaise, rashes, blood counts (white and red), tests of renal function e.g. creatinine, blood urea nitrogen (hereinafter, "bun") creative clearance, data obtained from laboratory tests including complete blood counts with differentials, CRP, ESR, ANA, Serum IL6, Soluble CD40 ligand, LDL, HDL, Anti-DNA antibodies, rheumatoid factor, C3, C4, serum creatinine and any medication levels, the need for pain medications, cumulative doses or immunosuppressive therapy, symptoms or any manifestation of carotid atherosclerosis (e.g. ultrasound diagnosis or any other manifestations of the disease), data from surgical procedures such as gross operative findings and pathological evaluation of resected tissues and biopsies (e.g., renal, CNS), information on pharmacological therapy and treatment changes, clinical diagnoses of disease "flare", hospitalizations, death, quantitative joint exams, results from health assessment questionnaires (HAQs), and other clinical measures of patient symptoms and disability. In addition, disease criteria correspond to the clinical score known as SLEDAI (Bombadier C, Gladman DD, Urowitz MB, Caron D, Chang CH and the Committee on Prognosis Studies in SLE: Derivation of the SLEDAI for Lupus Patients. Arthritis Rheum 35:630-640, 1992.). Diagnostic nucleotide sets may be useful for diagnosis of SLE, monitoring disease progression including progressive renal dysfunction, carotid atherosclerosis and CNS dysfunction, and predicting occurrence of side-effects, for example.

Dermatomyositis/Polymyositis

[0235] Dermatomyositis/Polymyositis is an autoimmune/inflammatory disease of muscle and skin. Disease criteria correspond to clinical markers of muscle damage (e.g. creatine kinase or myoglobin), muscle strength, symptoms, skin rash or muscle biopsy results.

Diabetes

[0236] Insulin dependent (type I) diabetes is caused by an autoimmune attack of insulin producing cells in the pancreas. The disease does not manifest until greater than 90% of the insulin producing cells are destroyed. Diagnostic nucleotide sets are developed and validated for use in detecting diabetes before it is clinically evident.

Disease criteria correspond to future occurrence of diabetes, glucose tolerance, serum glucose level, and levels of hemoglobin A1c or other markers.

Inflammatory Bowel Disease (Crohn's and Ulcerative Colitis)

[0237] Inflammatory Bowel Disease, e.g., Crohn's Disease and Ulcerative Colitis, are chronic inflammatory diseases of the intestine. Together they effect at least 1 million in the US. Currently, diagnosis and monitoring is accomplished by intestinal endoscopy with or without a biopsy. Steroids and other immune suppressing drugs are useful in treating these diseases, but these drugs cause toxicity and severe side-effects. Diagnostic nucleotide sets are developed for use in diagnosis and monitoring of disease progression. Disease criteria correspond to clinical criteria, e.g. symptoms of abdominal or pelvic pain, diarrhea, fever and rectal bleeding. Alternatively, or in addition, disease criteria correspond to endoscopy results or bowel biopsy results.

Osteoarthritis

[0238] 20-40 million patients in the US have osteoarthritis. Patient groups are heterogeneous, with a subset of patients having earlier onset, more aggressive joint damage, involving more inflammation (leukocyte infiltration) leukocyte diagnostics can be used to distinguish osteoarthritis from rheumatoid arthritis, define likelihood and degree of response to NSAID therapy (non-steroidal anti-inflammatory drugs). Rate of progression of joint damage can also be assessed. Diagnostic nucleotide sets may be developed for use in selection and titration of treatment therapies. Disease criteria correspond to response to therapy, and disease progression using certain therapies, need for joint surgery, joint pain and disability.

Asthma

[0239] Asthma is a chronic inflammatory disease of the lungs. Clinical symptoms include chronic or acute airflow obstruction. Patients are treated with inhaled steroids or bronchodilators or systemic steroids and other medication, and disease progression is monitored clinically using a peak air flow meter or formal pulmonary function tests. Even with these tests, it is difficult to predict which patients are at highest risk for acute worsening of airway obstruction (an "asthma attack"). Diagnostic nucleotide sets are developed for use in predicting likelihood of acute asthma attacks, and for use in choosing and titrating drug therapy. Disease criteria correspond to pulmonary

function testing, peak flow meter measurements, ER visits, inhaler use, subjective patient assessment of response to therapy, hospitalization and need for steroids.

Other inflammatory diseases:

[0240] Other inflammatory disease suitable for development and use of diagnostic nucleotide sets are polymyalgia rheumatica, temporal arteritis, polyarteritis nodosa, wegener's granulomatosis, whipple's disease, heterotopic ossification, Periprosthetic Osteolysis, Sepsis/ARDS, scleroderma, Grave's disease, Hashimoto's thyroiditis, psoriasis numerous others (See Table 1).

Viral diseases

[0241] Diagnostic leukocyte nucleotide sets may be developed and validated for use in diagnosing viral disease. In another aspect, viral nucleotide sequences may be added to a leukocyte nucleotide set for use in diagnosis of viral diseases. Alternatively, viral nucleotide sets and leukocyte nucleotides sets may be used sequentially.

Epstein-Barr virus (EBV)

[0242] EBV causes a variety of diseases such as mononucleosis, B-cell lymphoma, and pharyngeal carcinoma. It infects mononuclear cells and circulating atypical lymphocytes are a common manifestation of infection. Peripheral leukocyte gene expression is altered by infection. Transplant recipients and patients who are immunosuppressed are at increased risk for EBV-associated lymphoma.

Diagnostic nucleotide sets may be developed and validated for use in diagnosis and monitoring of EBV. In one aspect, the diagnostic nucleotide set is a leukocyte nucleotide set. Alternatively, EBV nucleotide sequences are added to a leukocyte nucleotide set, for use in diagnosing EBV. Disease criteria correspond with diagnosis of EBV, and, in patients who are EBV-sero-positive, presence (or prospective occurrence) of EBV-related illnesses such as mononucleosis, and EBV-associated lymphoma. Diagnostic nucleotide sets are useful for diagnosis of EBV, and prediction of occurrence of EBV-related illnesses.

Cytomegalovirus (CMV)

[0244] Cytomegalovirus cause inflammation and disease in almost any tissue, particularly the colon, lung, bone marrow and retina, and is a very important cause of disease in immunosuppressed patients, e.g. transplant, cancer, AIDS. Many patients are

infected with or have been exposed to CMV, but not all patients develop clinical disease from the virus. Also, CMV negative recipients of allografts that come from CMV positive donors are at high risk for CMV infection. As immunosuppressive drugs are developed and used, it is increasingly important to identify patients with current or impending clinical CMV disease, because the potential benefit of immunosuppressive therapy must be balanced with the increased rate of clinical CMV infection and disease that may result from the use of immunosuppression therapy. CMV may also play a role in the occurrence of atherosclerosis or restenosis after angioplasty.

monitoring of CMV infection or re-activation of CMV infection. In one aspect, the diagnostic nucleotide set is a leukocyte nucleotide set. In another aspect, CMV nucleotide sequences are added to a leukocyte nucleotide set, for use in diagnosing CMV. Disease criteria correspond to diagnosis of CMV (e.g., sero-positive state) and presence of clinically active CMV. Disease criteria may also correspond to prospective data, e.g. the likelihood that CMV will become clinically active or impending clinical CMV infection. Antiviral medications are available and diagnostic nucleotide sets can be used to select patients for early treatment, chronic suppression or prophylaxis of CMV activity.

Hepatitis B and C

[0246] These chronic viral infections affect about 1.25 and 2.7 million patients in the US, respectively. Many patients are infected, but suffer no clinical manifestations. Some patients with infection go on to suffer from chronic liver failure, cirrhosis and hepatic carcinoma.

[0247] Diagnostic nucleotide sets are developed for use in diagnosis and monitoring of HBV or HCV infection. In one aspect, the diagnostic nucleotide set is a leukocyte nucleotide set. In another aspect, viral nucleotide sequences are added to a leukocyte nucleotide set, for use in diagnosing the virus and monitoring progression of liver disease. Disease criteria correspond to diagnosis of the virus (e.g., sero-positive state or other disease symptoms). Alternatively, disease criteria correspond to liver damage, e.g., elevated alkaline phosphatase, ALT, AST or evidence of ongoing hepatic damage on liver biopsy. Alternatively, disease criteria correspond to serum liver tests (AST, ALT, Alkaline Phosphatase, GGT, PT, bilirubin), liver biopsy, liver ultrasound,

viral load by serum PCR, cirrhosis, hepatic cancer, need for hospitalization or listing for liver transplant. Diagnostic nucleotide sets are used to diagnose HBV and HCV, and to predict likelihood of disease progression. Antiviral therapeutic usage, such as Interferon gamma and Ribavirin, can also be disease criteria.

HIV

[0248] HIV infects T cells and certainly causes alterations in leukocyte expression. Diagnostic nucleotide sets are developed for diagnosis and monitoring of HIV. In one aspect, the diagnostic nucleotide set is a leukocyte nucleotide set. In another aspect, viral nucleotide sequences are added to a leukocyte nucleotide set, for use in diagnosing the virus. Disease criteria correspond to diagnosis of the virus (e.g., seropositive state). In addition, disease criteria correspond to viral load, CD4 T cell counts, opportunistic infection, response to antiretroviral therapy, progression to AIDS, rate of progression and the occurrence of other HIV related outcomes (e.g., malignancy, CNS disturbance). Response to antiretrovirals may also be disease criteria.

Pharmacogenomics

Pharmocogenomics is the study of the individual propensity to respond to a particular drug therapy (combination of therapies). In this context, response can mean whether a particular drug will work on a particular patient, e.g. some patients respond to one drug but not to another drug. Response can also refer to the likelihood of successful treatment or the assessment of progress in treatment. Titration of drug therapy to a particular patient is also included in this description, e.g. different patients can respond to different doses of a given medication. This aspect may be important when drugs with side-effects or interactions with other drug therapies are contemplated.

[0250] Diagnostic nucleotide sets are developed and validated for use in assessing whether a patient will respond to a particular therapy and/or monitoring response of a patient to drug therapy(therapies). Disease criteria correspond to presence or absence of clinical symptoms or clinical endpoints, presence of side-effects or interaction with other drug(s). The diagnostic nucleotide set may further comprise nucleotide sequences that are targets of drug treatment or markers of active disease.

Validation and accuracy of diagnostic nucleotide set using correlation analysis

[0251] Prior to widespread application of the diagnostic probe sets of the invention, the predictive value of the probe set is validated.

[0252] Typically, the oligonucleotide sequence of each probe is confirmed, e.g. by DNA sequencing using an oligonucleotide-specific primer. Partial sequence obtained is generally sufficient to confirm the identity of the oligonucleotide probe. Alternatively, a complementary polynucleotide is fluorescently labeled and hybridized to the array, or to a different array containing a resynthesized version of the oligo nucleotide probe, and detection of the correct probe is confirmed.

Typically, validation is performed by statistically evaluating the accuracy of the correspondence between the molecular signature for a diagnostic probe set and a selected indicator. For example, the expression differential for a nucleotide sequence between two subject classes can be expressed as a simple ratio of relative expression. The expression of the nucleotide sequence in subjects with selected indicator can be compared to the expression of that nucleotide sequence in subjects without the indicator, as described in the following equations.

[0254] $\sum E_x ai/N = E_x A$ the average expression of nucleotide sequence x in the members of group A;

[0255] $\sum E_x bi/M = E_x B$ the average expression of nucleotide sequence x in the members of group B;

[0256] $E_xA/ExB = \Delta E_xAB$ the average differential expression of nucleotide sequence x between groups A

[0257] and B:

[0258] where Σ indicates a sum; Ex is the expression of nucleotide sequence x relative to a standard; ai are the individual members of group A, group A has N members; bi are the individual members of group B, group B has M members.

The expression of at least two nucleotide sequences, e.g., nucleotide sequence X and nucleotide sequence Y are measured relative to a standard in at least one subject of group A (e.g., with a disease) and group B (e.g., without the disease). Ideally, for purposes of validation the indicator is independent from (i.e., not assigned based upon) the expression pattern. Alternatively, a minimum threshold of gene expression for

nucleotide sequences X and Y, relative to the standard, are designated for assignment to group A. For nucleotide sequence x, this threshold is designated $\Delta E x$, and for nucleotide sequence y, the threshold is designated $\Delta E y$.

[0260] The following formulas are used in the calculations below:

[0261] Sensitivity = (true positives/true positives + false negatives)

[0262] Specificity = (true negatives/true negatives + false positives)

[0263] If, for example, expression of nucleotide sequence x above a threshold: $x > \Delta Ex$, is observed for 80/100 subjects in group A and for 10/100 subjects in group B, the sensitivity of nucleotide sequence x for the assignment to group A, at the given

expression threshold ΔEx , is 80%, and the specificity is 90%.

If the expression of nucleotide sequence y is > Δ Ey in 80/100 subjects in group A, and in 10/100 subjects in group B, then, similarly the sensitivity of nucleotide sequence y for the assignment to group A at the given threshold Δ Ey is 80% and the specificity is 90%. If in addition, 60 of the 80 subjects in group A that meet the expression threshold for nucleotide sequence y also meet the expression threshold Δ Ex and that 5 of the 10 subjects in group B that meet the expression threshold for nucleotide sequence y also meet the expression threshold Δ Ex, the sensitivity of the test (x> Δ Ex and y> \Box Δ Ey) for assignment of subjects to group A is 60% and the specificity is 95%.

[0265] Alternatively, if the criteria for assignment to group A are change to: Expression of $x > \Delta Ex$ or expression of $y > \Delta Ey$, the sensitivity approaches 100% and the specificity is 85%.

Clearly, the predictive accuracy of any diagnostic probe set is dependent on the minimum expression threshold selected. The expression of nucleotide sequence X (relative to a standard) is measured in subjects of groups A (with disease) and B (without disease). The minimum threshold of nucleotide sequence expression for x, required for assignment to group A is designated ΔEx 1.

[0267] If 90/100 patients in group A have expression of nucleotide sequence $x > \Delta Ex 1$ and 20/100 patients in group B have expression of nucleotide sequence $x > \Delta Ex 1$, then the sensitivity of the expression of nucleotide sequence $x > \Delta Ex 1$, then the sensitivity of the expression of nucleotide sequence $x = \Delta Ex 1$, as a minimum expression threshold) for assignment of patients to group A will be 90% and the specificity will be 80%.

[0268] Altering the minimum expression threshold results in an alteration in the specificity and sensitivity of the nucleotide sequences in question. For example, if the minimum expression threshold of nucleotide sequence x for assignment of subjects to group A is lowered to ΔEx 2, such that 100/100 subjects in group A and 40/100 subjects in group B meet the threshold, then the sensitivity of the test for assignment of subjects to group A will be 100% and the specificity will be 60%.

Thus, for 2 nucleotide sequences X and Y: the expression of nucleotide sequence x and nucleotide sequence y (relative to a standard) are measured in subjects belonging to groups A (with disease) and B (without disease). Minimum thresholds of nucleotide sequence expression for nucleotide sequences X and Y (relative to common standards) are designated for assignment to group A. For nucleotide sequence x, this threshold is designated $\Delta Ex1$ and for nucleotide sequence y, this threshold is designated $\Delta Ex1$ and for nucleotide sequence y, this threshold is designated

[0270] If in group A, 90/100 patients meet the minimum requirements of expression $\Delta Ex1$ and $\Delta Ey1$, and in group B, 10/100 subjects meet the minimum requirements of expression $\Delta Ex1$ and $\Delta Ey1$, then the sensitivity of the test for assignment of subjects to group A is 90% and the specificity is 90%.

[0271] Increasing the minimum expression thresholds for X and Y to $\Delta Ex2$ and $\Delta Ey2$, such that in group A, 70/100 subjects meet the minimum requirements of expression $\Delta Ex2$ and $\Delta Ey2$, and in group B, 3/100 subjects meet the minimum requirements of expression $\Delta Ex2$ and $\Delta Ey2$. Now the sensitivity of the test for assignment of subjects to group A is 70% and the specificity is 97%.

[0272] If the criteria for assignment to group A is that the subject in question meets either threshold, $\Delta Ex2$ or $\Delta Ey2$, and it is found that 100/100 subjects in group A meet the criteria and 20/100 subjects in group B meet the criteria, then the sensitivity of the test for assignment to group A is 100% and the specificity is 80%.

[0273] Individual components of a diagnostic probe set each have a defined sensitivity and specificity for distinguishing between subject groups. Such individual nucleotide sequences can be employed in concert as a diagnostic probe set to increase the sensitivity and specificity of the evaluation. The database of molecular signatures is queried by algorithms to identify the set of nucleotide sequences (i.e., corresponding to

members of the probe set) with the highest average differential expression between subject groups. Typically, as the number of nucleotide sequences in the diagnostic probe set increases, so does the predictive value, that is, the sensitivity and specificity of the probe set. When the probe sets are defined they may be used for diagnosis and patient monitoring as discussed below. The diagnostic sensitivity and specificity of the probe sets for the defined use can be determined for a given probe set with specified expression levels as demonstrated above. By altering the expression threshold required for the use of each nucleotide sequence as a diagnostic, the sensitivity and specificity of the probe set can be altered by the practitioner. For example, by lowering the magnitude of the expression differential threshold for each nucleotide sequence in the set, the sensitivity of the test will increase, but the specificity will decrease. As is apparent from the foregoing discussion, sensitivity and specificity are inversely related and the predictive accuracy of the probe set is continuous and dependent on the expression threshold set for each nucleotide sequence. Although sensitivity and specificity tend to have an inverse relationship when expression thresholds are altered, both parameters can be increased as nucleotide sequences with predictive value are added to the diagnostic nucleotide set. In addition a single or a few markers may not be reliable expression markers across a population of patients. This is because of the variability in expression and measurement of expression that exists between measurements, individuals and individuals over time. Inclusion of a large number of candidate nucleotide sequences or large numbers of nucleotide sequences in a diagnostic nucleotide set allows for this variability as not all nucleotide sequences need to meet a threshold for diagnosis. Generally, more markers are better than a single marker. If many markers are used to make a diagnosis, the likelihood that all expression markers will not meet some thresholds based upon random variability is low and thus the test will give fewer false negatives.

It is appreciated that the desired diagnostic sensitivity and specificity of the diagnostic nucleotide set may vary depending on the intended use of the set. For example, in certain uses, high specificity and high sensitivity are desired. For example, a diagnostic nucleotide set for predicting which patient population may experience side effects may require high sensitivity so as to avoid treating such patients. In other settings, high sensitivity is desired, while reduced specificity may be tolerated. For

example, in the case of a beneficial treatment with few side effects, it may be important to identify as many patients as possible (high sensitivity) who will respond to the drug, and treatment of some patients who will not respond is tolerated. In other settings, high specificity is desired and reduced sensitivity may be tolerated. For example, when identifying patients for an early-phase clinical trial, it is important to identify patients who may respond to the particular treatment. Lower sensitivity is tolerated in this setting as it merely results in reduced patients who enroll in the study or requires that more patients are screened for enrollment.

Methods of using diagnostic nucleotide sets.

The invention also provide methods of using the diagnostic nucleotide sets to: diagnose disease; assess severity of disease; predict future occurrence of disease; predict future complications of disease; determine disease prognosis; evaluate the patient's risk, or "stratify" a group of patients; assess response to current drug therapy; assess response to current non-pharmacological therapy; determine the most appropriate medication or treatment for the patient; predict whether a patient is likely to respond to a particular drug; and determine most appropriate additional diagnostic testing for the patient, among other clinically and epidemiologically relevant applications.

The nucleotide sets of the invention can be utilized for a variety of purposes by physicians, healthcare workers, hospitals, laboratories, patients, companies and other institutions. As indicated previously, essentially any disease, condition, or status for which at least one nucleotide sequence is differentially expressed in leukocyte populations (or sub-populations) can be evaluated, e.g., diagnosed, monitored, etc. using the diagnostic nucleotide sets and methods of the invention. In addition to assessing health status at an individual level, the diagnostic nucleotide sets of the present invention are suitable for evaluating subjects at a "population level," e.g., for epidemiological studies, or for population screening for a condition or disease.

Collection and preparation of sample

[0277] RNA, protein and/or DNA is prepared using methods well-known in the art, as further described herein. It is appreciated that subject samples collected for use in the methods of the invention are generally collected in a clinical setting, where delays may be introduced before RNA samples are prepared from the subject samples of whole

blood, e.g. the blood sample may not be promptly delivered to the clinical lab for further processing. Further delay may be introduced in the clinical lab setting where multiple samples are generally being processed at any given time. For this reason, methods which feature lengthy incubations of intact leukocytes at room temperature are not preferred, because the expression profile of the leukocytes may change during this extended time period. For example, RNA can be isolated from whole blood using a phenol/guanidine isothiocyanate reagent or another direct whole-blood lysis method, as described in, e.g., U.S. Patent Nos. 5,346,994 and 4,843,155. This method may be less preferred under certain circumstances because the large majority of the RNA recovered from whole blood RNA extraction comes from erythrocytes since these cells outnumber leukocytes 1000:1. Care must be taken to ensure that the presence of erythrocyte RNA and protein does not introduce bias in the RNA expression profile data or lead to inadequate sensitivity or specificity of probes.

Alternatively, intact leukocytes may be collected from whole blood using a lysis buffer that selectively lyses erythrocytes, but not leukocytes, as described, e.g., in (U.S. Patent Nos. 5,973,137, and 6,020,186). Intact leukocytes are then collected by centrifugation, and leukocyte RNA is isolated using standard protocols, as described herein. However, this method does not allow isolation of sub-populations of leukocytes, e.g. mononuclear cells, which may be desired. In addition, the expression profile may change during the lengthy incubation in lysis buffer, especially in a busy clinical lab where large numbers of samples are being prepared at any given time.

[0279] Alternatively, specific leukocyte cell types can be separated using density gradient reagents (Boyum, A, 1968.). For example, mononuclear cells may be separated from whole blood using density gradient centrifugation, as described, e.g., in U.S. Patents Nos. 4190535, 4350593, 4751001, 4818418, and 5053134. Blood is drawn directly into a tube containing an anticoagulant and a density reagent (such as Ficoll or Percoll). Centrifugation of this tube results in separation of blood into an erythrocyte and granulocyte layer, a mononuclear cell suspension, and a plasma layer. The mononuclear cell layer is easily removed and the cells can be collected by centrifugation, lysed, and frozen. Frozen samples are stable until RNA can be isolated. Density centrifugation,

however, must be conducted at room temperature, and if processing is unduly lengthy, such as in a busy clinical lab, the expression profile may change.

The quality and quantity of each clinical RNA sample is desirably checked before amplification and labeling for array hybridization, using methods known in the art. For example, one microliter of each sample may be analyzed on a Bioanalyzer (Agilent 2100 Palo Alto, CA. USA) using an RNA 6000 nano LabChip (Caliper, Mountain View, CA. USA). Degraded RNA is identified by the reduction of the 28S to 18S ribosomal RNA ratio and/or the presence of large quantities of RNA in the 25-100 nucleotide range.

[0281] It is appreciated that the RNA sample for use with a diagnostic nucleotide set may be produced from the same or a different cell population, sub-population and/or cell type as used to identify the diagnostic nucleotide set. For example, a diagnostic nucleotide set identified using RNA extracted from mononuclear cells may be suitable for analysis of RNA extracted from whole blood or mononuclear cells, depending on the particular characteristics of the members of the diagnostic nucleotide set. Generally, diagnostic nucleotide sets must be tested and validated when used with RNA derived from a different cell population, sub-population or cell type than that used when obtaining the diagnostic gene set. Factors such as the cell-specific gene expression of diagnostic nucleotide set members, redundancy of the information provided by members of the diagnostic nucleotide set, expression level of the member of the diagnostic nucleotide set, and cell-specific alteration of expression of a member of the diagnostic nucleotide set will contribute to the usefullness of using a different RNA source than that used when identifying the members of the diagnostic nucleotide set. It is appreciated that it may be desirable to assay RNA derived from whole blood, obviating the need to isolate particular cell types from the blood.

Rapid method of RNA extraction suitable for production in a clinical setting of high quality RNA for expression profiling

[0282] In a clinical setting, obtaining high quality RNA preparations suitable for expression profiling, from a desired population of leukocytes poses certain technical challenges, including: the lack of capacity for rapid, high-throughput sample processing in the clinical setting, and the possibility that delay in processing (in a busy lab or in the

clinical setting) may adversely affect RNA quality, e.g. by a permitting the expression profile of certain nucleotide sequences to shift. Also, use of toxic and expensive reagents, such as phenol, may be disfavored in the clinical setting due to the added expense associated with shipping and handling such reagents.

[0283] A useful method for RNA isolation for leukocyte expression profiling would allow the isolation of monocyte and lymphocyte RNA in a timely manner, while preserving the expression profiles of the cells, and allowing inexpensive production of reproducible high-quality RNA samples. Accordingly, the invention provides a method of adding inhibitor(s) of RNA transcription and/or inhibitor(s) of protein synthesis, such that the expression profile is "frozen" and RNA degradation is reduced. A desired leukocyte population or sub-population is then isolated, and the sample may be frozen or lysed before further processing to extract the RNA. Blood is drawn from subject population and exposed to ActinomycinD (to a final concentration of 10 ug/ml) to inhibit transcription, and cycloheximide (to a final concentration of 10 ug/ml) to inhibit protein synthesis. The inhibitor(s) can be injected into the blood collection tube in liquid form as soon as the blood is drawn, or the tube can be manufactured to contain either lyophilized inhibitors or inhibitors that are in solution with the anticoagulant. At this point, the blood sample can be stored at room temperature until the desired leukocyte population or subpopulation is isolated, as described elsewhere. RNA is isolated using standard methods, e.g., as described above, or a cell pellet or extract can be frozen until further processing of RNA is convenient.

The invention also provides a method of using a low-temperature density gradient for separation of a desired leukocyte sample. In another embodiment, the invention provides the combination of use of a low-temperature density gradient and the use of transcriptional and/or protein synthesis inhibitor(s). A desired leukocyte population is separated using a density gradient solution for cell separation that maintains the required density and viscosity for cell separation at 0-4°C. Blood is drawn into a tube containing this solution and may be refrigerated before and during processing as the low temperatures slow cellular processes and minimize expression profile changes.

Leukocytes are separated, and RNA is isolated using standard methods. Alternately, a

cell pellet or extract is frozen until further processing of RNA is convenient. Care must be taken to avoid rewarming the sample during further processing steps.

[0285] Alternatively, the invention provides a method of using low-temperature density gradient separation, combined with the use of actinomycin A and cyclohexamide, as described above.

Assessing expression for diagnostics

[0286] Expression profiles for the set of diagnostic nucleotide sequences in a subject sample can be evaluated by any technique that determines the expression of each component nucleotide sequence. Methods suitable for expression analysis are known in the art, and numerous examples are discussed in the Sections titled "Methods of obtaining expression data" and "high throughput expression Assays", above.

[0287] In many cases, evaluation of expression profiles is most efficiently, and cost effectively, performed by analyzing RNA expression. Alternatively, the proteins encoded by each component of the diagnostic nucleotide set are detected for diagnostic purposes by any technique capable of determining protein expression, e.g., as described above. Expression profiles can be assessed in subject leukocyte sample using the same or different techniques as those used to identify and validate the diagnostic nucleotide set. For example, a diagnostic nucleotide set identified as a subset of sequences on a cDNA microarray can be utilized for diagnostic (or prognostic, or monitoring, etc.) purposes on the same array from which they were identified. Alternatively, the diagnostic nucleotide sets for a given disease or condition can be organized onto a dedicated sub-array for the indicated purpose. It is important to note that if diagnostic nucleotide sets are discovered using one technology, e.g. RNA expression profiling, but applied as a diagnostic using another technology, e.g. protein expression profiling, the nucleotide sets must generally be validated for diagnostic purposes with the new technology. In addition, it is appreciated that diagnostic nucleotide sets that are developed for one use, e.g. to diagnose a particular disease, may later be found to be useful for a different application, e.g. to predict the likelihood that the particular disease will occur. Generally, the diagnostic nucleotide set will need to be validated for use in the second circumstance. As discussed herein, the sequence of diagnostic nucleotide set members may be amplified from RNA

or cDNA using methods known in the art providing specific amplification of the nucleotide sequences.

Identification of novel nucleotide sequences that are differentially expressed in leukocytes

[0288] Novel nucleotide sequences that are differentially expressed in leukocytes are also part of the invention. Previously unidentified open reading frames may be identified in a library of differentially expressed candidate nucleotide sequences, as described above, and the DNA and predicted protein sequence may be identified and characterized as noted above. We identified unnamed (not previously described as corresponding to a gene, or an expressed gene) nucleotide sequences in the our candidate nucleotide library, depicted in Table 3A, 3B and the sequence listing. Accordingly, further embodiments of the invention are the isolated nucleic acids described in Tables 3A and 3B, and in the sequence listing. The novel differentially expressed nucleotide sequences of the invention are useful in the diagnostic nucleotide set of the invention described above, and are further useful as members of a diagnostic nucleotide set immobilized on an array. The novel partial nucleotide sequences may be further characterized using sequence tools and publically or privately accessible sequence databases, as is well known in the art: Novel differentially expressed nucleotide sequences may be identified as disease target nucleotide sequences, described below. Novel nucleotide sequences may also be used as imaging reagent, as further described below.

[0289] As used herein, "novel nucleotide sequence" refers to (a) a nucleotide sequence containing at least one of the DNA sequences disclosed herein (as shown in FIGS. Table 3A, 3B and the sequence listing); (b) any DNA sequence that encodes the amino acid sequence encoded by the DNA sequences disclosed herein; (c) any DNA sequence that hybridizes to the complement of the coding sequences disclosed herein, contained within the coding region of the nucleotide sequence to which the DNA sequences disclosed herein (as shown in Table 3A, 3B and the sequence listing) belong, under highly stringent conditions, e.g., hybridization to filter-bound DNA in 0.5 M NaHPO₄, 7% sodium dodecyl sulfate (SDS), 1 mM EDTA at 65° C, and washing in 0.1XSSC/0.1% SDS at 68° C. (Ausubel F. M. et al., eds., 1989, Current Protocols in

Molecular Biology, Vol. I, Green Publishing Associates, Inc., and John Wiley & sons, Inc., New York, at p. 2.10.3), (d) any DNA sequence that hybridizes to the complement of the coding sequences disclosed herein, (as shown in Table 3A, 3B and the sequence listing) contained within the coding region of the nucleotide sequence to which DNA sequences disclosed herein (as shown in TABLES 3A, 3B and the sequence listing) belong, under less stringent conditions, such as moderately stringent conditions, e.g., washing in 0.2XSSC/0.1% SDS at 42°C. (Ausubel et al., 1989, supra), yet which still encodes a functionally equivalent gene product; and/or (e) any DNA sequence that is at least 90% identical, at least 80% identical or at least 70% identical to the coding sequences disclosed herein (as shown in TABLES 3A, 3B and the sequence listing), wherein % identity is determined using standard algorithms known in the art.

[0290] The invention also includes nucleic acid molecules, preferably DNA molecules, that hybridize to, and are therefore the complements of, the DNA sequences (a) through (c), in the preceding paragraph. Such hybridization conditions may be highly stringent or less highly stringent, as described above. In instances wherein the nucleic acid molecules are deoxyoligonucleotides ("oligos"), highly stringent conditions may refer, e.g., to washing in 6xSSC/0.05% sodium pyrophosphate at 37°C. (for 14-base oligos), 48°C. (for 17-base oligos), 55°C. (for 20-base oligos), and 60°C. (for 23-base oligos). These nucleic acid molecules may act as target nucleotide sequence antisense molecules, useful, for example, in target nucleotide sequence regulation and/or as antisense primers in amplification reactions of target nucleotide sequence nucleic acid sequences. Further, such sequences may be used as part of ribozyme and/or triple helix sequences, also useful for target nucleotide sequence regulation. Still further, such molecules may be used as components of diagnostic methods whereby the presence of a disease-causing allele, may be detected.

[0291] The invention also encompasses (a) DNA vectors that contain any of the foregoing coding sequences and/or their complements (i.e., antisense); (b) DNA expression vectors that contain any of the foregoing coding sequences operatively associated with a regulatory element that directs the expression of the coding sequences; and (c) genetically engineered host cells that contain any of the foregoing coding sequences operatively associated with a regulatory element that directs the expression of

the coding sequences in the host cell. As used herein, regulatory elements include but are not limited to inducible and non-inducible promoters, enhancers, operators and other elements known to those skilled in the art that drive and regulate expression. The invention includes fragments of any of the DNA sequences disclosed herein. Fragments of the DNA sequences may be at least 5, at least 10, at least 15, at least 19 nucleotides, at least 25 nucleotides, at least 50 nucleotides, at least 200, at least 500, or larger.

In addition to the nucleotide sequences described above, homologues of such sequences, as may, for example be present in other species, may be identified and may be readily isolated, without undue experimentation, by molecular biological techniques well known in the art, as well as use of gene analysis tools described above, and e.g., in Example 4. Further, there may exist nucleotide sequences at other genetic loci within the genome that encode proteins which have extensive homology to one or more domains of such gene products. These nucleotide sequences may also be identified via similar techniques.

[0293] For example, the isolated differentially expressed nucleotide sequence may be labeled and used to screen a cDNA library constructed from mRNA obtained from the organism of interest. Hybridization conditions will be of a lower stringency when the cDNA library was derived from an organism different from the type of organism from which the labeled sequence was derived. Alternatively, the labeled fragment may be used to screen a genomic library derived from the organism of interest, again, using appropriately stringent conditions. Such low stringency conditions will be well known to those of skill in the art, and will vary predictably depending on the specific organisms from which the library and the labeled sequences are derived. For guidance regarding such conditions see, for example, Sambrook et al., 1989, Molecular Cloning, A Laboratory Manual, Cold Springs Harbor Press, N.Y.; and Ausubel et al., 1989, Current Protocols in Molecular Biology, Green Publishing Associates and Wiley Interscience, N.Y.

[0294] Novel nucleotide products include those proteins encoded by the novel nucleotide sequences described, above. Specifically, novel gene products may include polypeptides encoded by the novel nucleotide sequences contained in the coding regions

of the nucleotide sequences to which DNA sequences disclosed herein (in TABLES 3A, 3B and the sequence listing).

[0295] In addition, novel protein products of novel nucleotide sequences may include proteins that represent functionally equivalent gene products. Such an equivalent novel gene product may contain deletions, additions or substitutions of amino acid residues within the amino acid sequence encoded by the novel nucleotide sequences described, above, but which result in a silent change, thus producing a functionally equivalent novel nucleotide sequence product. Amino acid substitutions may be made on the basis of similarity in polarity, charge, solubility, hydrophobicity, hydrophilicity, and/or the amphipathic nature of the residues involved.

[0296] For example, nonpolar (hydrophobic) amino acids include alanine, leucine, isoleucine, valine, proline, phenylalanine, tryptophan, and methionine; polar neutral amino acids include glycine, serine, threonine, cysteine, tyrosine, asparagine, and glutamine; positively charged (basic) amino acids include arginine, lysine, and histidine; and negatively charged (acidic) amino acids include aspartic acid and glutamic acid. "Functionally equivalent", as utilized herein, refers to a protein capable of exhibiting a substantially similar in vivo activity as the endogenous novel gene products encoded by the novel nucleotide described, above.

[0297] The novel gene products (protein products of the novel nucleotide sequences) may be produced by recombinant DNA technology using techniques well known in the art. Thus, methods for preparing the novel gene polypeptides and peptides of the invention by expressing nucleic acid encoding novel nucleotide sequences are described herein. Methods which are well known to those skilled in the art can be used to construct expression vectors containing novel nucleotide sequence protein coding sequences and appropriate transcriptional/translational control signals. These methods include, for example, in vitro recombinant DNA techniques, synthetic techniques and in vivo recombination/genetic recombination. See, for example, the techniques described in Sambrook et al., 1989, supra, and Ausubel et al., 1989, supra. Alternatively, RNA capable of encoding novel nucleotide sequence protein sequences may be chemically synthesized using, for example, synthesizers. See, for example, the techniques described

in "Oligonucleotide Synthesis", 1984, Gait, M. J. ed., IRL Press, Oxford, which is incorporated by reference herein in its entirety

A variety of host-expression vector systems may be utilized to express the [0298] novel nucleotide sequence coding sequences of the invention. Such host-expression systems represent vehicles by which the coding sequences of interest may be produced and subsequently purified, but also represent cells which may, when transformed or transfected with the appropriate nucleotide coding sequences, exhibit the novel protein encoded by the novel nucleotide sequence of the invention in situ. These include but are not limited to microorganisms such as bacteria (e.g., E. coli, B. subtilis) transformed with recombinant bacteriophage DNA, plasmid DNA or cosmid DNA expression vectors containing novel nucleotide sequence protein coding sequences; yeast (e.g. Saccharomyces, Pichia) transformed with recombinant yeast expression vectors containing the novel nucleotide sequence protein coding sequences; insect cell systems infected with recombinant virus expression vectors (e.g., baculovirus) containing the novel nucleotide sequence protein coding sequences; plant cell systems infected with recombinant virus expression vectors (e.g., cauliflower mosaic virus, CaMV; tobacco mosaic virus, TMV) or transformed with recombinant plasmid expression vectors (e.g., Ti plasmid) containing novel nucleotide sequence protein coding sequences; or mammalian cell systems (e.g. COS, CHO, BHK, 293, 3T3) harboring recombinant expression constructs containing promoters derived from the genome of mammalian cells (e.g., metallothionein promoter) or from mammalian viruses (e.g., the adenovirus late promoter; the vaccinia virus 7.5 K promoter).

In bacterial systems, a number of expression vectors may be advantageously selected depending upon the use intended for the novel nucleotide sequence protein being expressed. For example, when a large quantity of such a protein is to be produced, for the generation of antibodies or to screen peptide libraries, for example, vectors which direct the expression of high levels of fusion protein products that are readily purified may be desirable. Such vectors include, but are not limited, to the E. coli expression vector pUR278 (Ruther et al., 1983, EMBO J. 2:1791), in which the novel nucleotide sequence protein coding sequence may be ligated individually into the vector in frame with the lac Z coding region so that a fusion protein is produced; pIN

vectors (Inouye & Inouye, 1985, Nucleic Acids Res. 13:3101-3109; Van Heeke & Schuster, 1989, J. Biol. Chem. 264:5503-5509); and the likes of pGEX vectors may also be used to express foreign polypeptides as fusion proteins with glutathione S-transferase (GST). In general, such fusion proteins are soluble and can easily be purified from lysed cells by adsorption to glutathione-agarose beads followed by elution in the presence of free glutathione. The pGEX vectors are designed to include thrombin or factor Xa protease cleavage sites so that the cloned target nucleotide sequence protein can be released from the GST moiety. Other systems useful in the invention include use of the FLAG epitope or the 6-HIS systems.

[0300] In an insect system, Autographa californica nuclear polyhedrosis virus (AcNPV) is used as a vector to express foreign nucleotide sequences. The virus grows in Spodoptera frugiperda cells. The novel nucleotide sequence coding sequence may be cloned individually into non-essential regions (for example the polyhedrin gene) of the virus and placed under control of an AcNPV promoter (for example the polyhedrin promoter). Successful insertion of novel nucleotide sequence coding sequence will result in inactivation of the polyhedrin gene and production of non-occluded recombinant virus (i.e., virus lacking the proteinaceous coat coded for by the polyhedrin gene). These recombinant viruses are then used to infect Spodoptera frugiperda cells in which the inserted nucleotide sequence is expressed. (E.g., see Smith et al., 1983, J. Virol. 46: 584; Smith, U.S. Pat. No. 4,215,051).

[0301] In mammalian host cells, a number of viral-based expression systems may be utilized. In cases where an adenovirus is used as an expression vector, the novel nucleotide sequence coding sequence of interest may be ligated to an adenovirus transcription/translation control complex, e.g., the late promoter and tripartite leader sequence. This chimeric nucleotide sequence may then be inserted in the adenovirus genome by in vitro or in vivo recombination. Insertion in a non-essential region of the viral genome (e.g., region E1 or E3) will result in a recombinant virus that is viable and capable of expressing novel nucleotide sequence encoded protein in infected hosts. (E.g., See Logan & Shenk, 1984, Proc. Natl. Acad. Sci. USA 81:3655-3659). Specific initiation signals may also be required for efficient translation of inserted novel nucleotide sequence coding sequences. These signals include the ATG initiation codon

and adjacent sequences. In cases where an entire novel nucleotide sequence, including its own initiation codon and adjacent sequences, is inserted into the appropriate expression vector, no additional translational control signals may be needed. However, in cases where only a portion of the novel nucleotide sequence coding sequence is inserted, exogenous translational control signals, including, perhaps, the ATG initiation codon, must be provided. Furthermore, the initiation codon must be in phase with the reading frame of the desired coding sequence to ensure translation of the entire insert. These exogenous translational control signals and initiation codons can be of a variety of origins, both natural and synthetic. The efficiency of expression may be enhanced by the inclusion of appropriate transcription enhancer elements, transcription terminators, etc. (see Bittner et al., 1987, Methods in Enzymol. 153:516-544).

[0302] In addition, a host cell strain may be chosen which modulates the expression of the inserted sequences, or modifies and processes the product of the nucleotide sequence in the specific fashion desired. Such modifications (e.g., glycosylation) and processing (e.g., cleavage) of protein products may be important for the function of the protein. Different host cells have characteristic and specific mechanisms for the post-translational processing and modification of proteins.

Appropriate cell lines or host systems can be chosen to ensure the correct modification and processing of the foreign protein expressed. To this end, eukaryotic host cells which possess the cellular machinery for proper processing of the primary transcript, glycosylation, and phosphorylation of the gene product may be used. Such mammalian host cells include but are not limited to CHO, VERO, BHK, HeLa, COS, MDCK, 293, 3T3, WI38, etc.

[0303] For long-term, high-yield production of recombinant proteins, stable expression is preferred. For example, cell lines which stably express the novel nucleotide sequence encoded protein may be engineered. Rather than using expression vectors which contain viral origins of replication, host cells can be transformed with DNA controlled by appropriate expression control elements (e.g., promoter, enhancer, sequences, transcription terminators, polyadenylation sites, etc.), and a selectable marker. Following the introduction of the foreign DNA, engineered cells may be allowed to grow for 1-2 days in an enriched media, and then are switched to a selective media. The

selectable marker in the recombinant plasmid confers resistance to the selection and allows cells to stably integrate the plasmid into their chromosomes and grow to form foci which in turn can be cloned and expanded into cell lines. This method may advantageously be used to engineer cell lines which express novel nucleotide sequence encoded protein. Such engineered cell lines may be particularly useful in screening and evaluation of compounds that affect the endogenous activity of the novel nucleotide sequence encoded protein.

[0304] A number of selection systems may be used, including but not limited to the herpes simplex virus thymidine kinase (Wigler, et al., 1977, Cell 11:223), hypoxanthine-guanine phosphoribosyltransferase (Szybalska & Szybalski, 1962, Proc. Natl. Acad. Sci. USA 48:2026), and adenine phosphoribosyltransferase (Lowy, et al., 1980, Cell 22:817) genes can be employed in tk-, hgprt- or aprt- cells, respectively. Also, antimetabolite resistance can be used as the basis of selection for dhfr, which confers resistance to methotrexate (Wigler, et al., 1980, Natl. Acad. Sci. USA 77:3567; O'Hare, et al., 1981, Proc. Natl. Acad. Sci. USA 78:1527); gpt, which confers resistance to mycophenolic acid (Mulligan & Berg, 1981, Proc. Natl. Acad. Sci. USA 78:2072); neo, which confers resistance to the aminoglycoside G-418 (Colberre-Garapin, et al., 1981, J. Mol. Biol. 150:1); and hygro, which confers resistance to hygromycin (Santerre, et al., 1984, Gene 30:147) genes.

[0305] An alternative fusion protein system allows for the ready purification of non-denatured fusion proteins expressed in human cell lines (Janknecht, et al., 1991, Proc. Natl. Acad. Sci. USA 88: 8972-8976). In this system, the nucleotide sequence of interest is subcloned into a vaccinia recombination plasmid such that the nucleotide sequence's open reading frame is translationally fused to an amino-terminal tag consisting of six histidine residues. Extracts from cells infected with recombinant vaccinia virus are loaded onto Ni.sup.2 +-nitriloacetic acid-agarose columns and histidine-tagged proteins are selectively eluted with imidazole-containing buffers.

[0306] Where recombinant DNA technology is used to produce the protein encoded by the novel nucleotide sequence for such assay systems, it may be advantageous to engineer fusion proteins that can facilitate labeling, immobilization and/or detection.

[0307] Indirect labeling involves the use of a protein, such as a labeled antibody, which specifically binds to the protein encoded by the novel nucleotide sequence. Such antibodies include but are not limited to polyclonal, monoclonal, chimeric, single chain, Fab fragments and fragments produced by an Fab expression library.

The invention also provides for antibodies to the protein encoded by the [0308] novel nucleotide sequences. Described herein are methods for the production of antibodies capable of specifically recognizing one or more novel nucleotide sequence epitopes. Such antibodies may include, but are not limited to polyclonal antibodies, monoclonal antibodies (mAbs), humanized or chimeric antibodies, single chain antibodies, Fab fragments, F(ab')2 fragments, fragments produced by a Fab expression library, anti-idiotypic (anti-Id) antibodies, and epitope-binding fragments of any of the above. Such antibodies may be used, for example, in the detection of a novel nucleotide sequence in a biological sample, or, alternatively, as a method for the inhibition of abnormal gene activity, for example, the inhibition of a disease target nucleotide sequence, as further described below. Thus, such antibodies may be utilized as part of cardiovascular or other disease treatment method, and/or may be used as part of diagnostic techniques whereby patients may be tested for abnormal levels of novel nucleotide sequence encoded proteins, or for the presence of abnormal forms of the such proteins.

[0309] For the production of antibodies to a novel nucleotide sequence, various host animals may be immunized by injection with a novel protein encoded by the novel nucleotide sequence, or a portion thereof. Such host animals may include but are not limited to rabbits, mice, and rats, to name but a few. Various adjuvants may be used to increase the immunological response, depending on the host species, including but not limited to Freund's (complete and incomplete), mineral gels such as aluminum hydroxide, surface active substances such as lysolecithin, pluronic polyols, polyanions, peptides, oil emulsions, keyhole limpet hemocyanin, dinitrophenol, and potentially useful human adjuvants such as BCG (bacille Calmette-Guerin) and Corynebacterium parvum.

[0310] Polyclonal antibodies are heterogeneous populations of antibody molecules derived from the sera of animals immunized with an antigen, such as novel gene product, or an antigenic functional derivative thereof. For the production of

polyclonal antibodies, host animals such as those described above, may be immunized by injection with novel gene product supplemented with adjuvants as also described above.

Monoclonal antibodies, which are homogeneous populations of antibodies to a particular antigen, may be obtained by any technique which provides for the production of antibody molecules by continuous cell lines in culture. These include, but are not limited to the hybridoma technique of Kohler and Milstein, (1975, Nature 256:495-497; and U.S. Pat. No. 4,376,110), the human B-cell hybridoma technique (Kosbor et al., 1983, Immunology Today 4:72; Cole et al., 1983, Proc. Natl. Acad. Sci. USA 80:2026-2030), and the EBV-hybridoma technique (Cole et al., 1985, Monoclonal Antibodies And Cancer Therapy, Alan R. Liss, Inc., pp. 77-96). Such antibodies may be of any immunoglobulin class including IgG, IgM, IgE, IgA, IgD and any subclass thereof. The hybridoma producing the mAb of this invention may be cultivated in vitro or in vivo.

[0312] In addition, techniques developed for the production of "chimeric antibodies" (Morrison et al., 1984, Proc. Natl. Acad. Sci., 81:6851-6855; Neuberger et al., 1984, Nature, 312:604-608; Takeda et al., 1985, Nature, 314:452-454) by splicing the genes from a mouse antibody molecule of appropriate antigen specificity together with genes from a human antibody molecule of appropriate biological activity can be used. A chimeric antibody is a molecule in which different portions are derived from different animal species, such as those having a variable region derived from a murine mAb and a human immunoglobulin constant region.

[0313] Alternatively, techniques described for the production of single chain antibodies (U.S. Pat. No. 4,946,778; Bird, 1988, Science 242:423-426; Huston et al., 1988, Proc. Natl. Acad. Sci. USA 85:5879-5883; and Ward et al., 1989, Nature 334:544-546) can be adapted to produce novel nucleotide sequence-single chain antibodies. Single chain antibodies are formed by linking the heavy and light chain fragments of the Fv region via an amino acid bridge, resulting in a single chain polypeptide.

[0314] Antibody fragments which recognize specific epitopes may be generated by known techniques For example, such fragments include but are not limited to: the F(ab')2 fragments which can be produced by pepsin digestion of the antibody molecule and the Fab fragments which can be generated by reducing the disulfide bridges of the

F(ab')2 fragments. Alternatively, Fab expression libraries may be constructed (Huse et al., 1989, Science, 246:1275-1281) to allow rapid and easy identification of monoclonal Fab fragments with the desired specificity.

Disease specific target nucleotide sequences

[0315] The invention also provides disease specific target nucleotide sequences, and sets of disease specific target nucleotide sequences. The diagnostic nucleotide sets, subsets thereof, novel nucleotide sequences, and individual members of the diagnostic nucleotide sets identified as described above are also disease specific target nucleotide sequences. In particular, individual nucleotide sequences that are differentially regulated or have predictive value that is strongly correlated with a disease or disease criterion are especially favorable as disease specific target nucleotide sequences. Sets of genes that are co-regulated may also be identified as disease specific target nucleotide sets. Such nucleotide sequences and/or nucleotide sequence products are targets for modulation by a variety of agents and techniques. For example, disease specific target nucleotide sequences (or the products of such nucleotide sequences, or sets of disease specific target nucleotide sequences) can be inhibited or activated by, e.g., target specific monoclonal antibodies or small molecule inhibitors, or delivery of the nucleotide sequence or gene product of the nucleotide sequence to patients. Also, sets of genes can be inhibited or activated by a variety of agents and techniques. The specific usefulness of the target nucleotide sequence(s) depends on the subject groups from which they were discovered, and the disease or disease criterion with which they correlate.

Imaging

[0316] The invention also provides for imaging reagents. The differentially expressed leukocyte nucleotide sequences, diagnostic nucleotide sets, or portions thereof, and novel nucleotide sequences of the invention are nucleotide sequences expressed in cells with or without disease. Leukocytes expressing a nucleotide sequence(s) that is differentially expressed in a disease condition may localize within the body to sites that are of interest for imaging purposes. For example, a leukocyte expressing a nucleotide sequence(s) that are differentially expressed in an individual having atherosclerosis may localize or accumulate at the site of an atherosclerotic placque. Such leukocytes, when

labeled, may provide a detection reagent for use in imaging regions of the body where labeled leukocyte accumulate or localize, for example, at the atherosclerotic plaque in the case of atherosclerosis. For example, leukocytes are collected from a subject, labeled in vitro, and reintroduced into a subject. Alternatively, the labeled reagent is introduced into the subject individual, and leukocyte labeling occurs within the patient.

[0317] Imaging agents that detect the imaging targets of the invention are produced by well-known molecular and immunological methods (for exemplary protocols, *see*, e.g., Ausubel, Berger, and Sambrook, as well as Harlow and Lane, *supra*).

[0318] For example, a full-length nucleic acid sequence, or alternatively, a gene fragment encoding an immunogenic peptide or polypeptide fragments, is cloned into a convenient expression vector, for example, a vector including an in-frame epitope or substrate binding tag to facilitate subsequent purification. Protein is then expressed from the cloned cDNA sequence and used to generate antibodies, or other specific binding molecules, to one or more antigens of the imaging target protein. Alternatively, a natural or synthetic polypeptide (or peptide) or small molecule that specifically binds (or is specifically bound to) the expressed imaging target can be identified through well established techniques (see, e.g., Mendel et al. (2000) Anticancer Drug Des 15:29-41; Wilson (2000) Curr Med Chem 7:73-98; Hamby and Showwalter (1999) Pharmacol Ther 82:169-93; and Shimazawa et al. (1998) Curr Opin Struct Biol 8:451-8). The binding molecule, e.g., antibody, small molecule ligand, etc., is labeled with a contrast agent or other detectable label, e.g., gadolinium, iodine, or a gamma-emitting source. For in-vivo imaging of a disease process that involved leukocytes, the labeled antibody is infused into a subject, e.g., a human patient or animal subject, and a sufficient period of time is passed to permit binding of the antibody to target cells. The subject is then imaged with appropriate technology such as MRI (when the label is gadolinium) or with a gamma counter (when the label is a gamma emitter).

Identification of nucleotide sequence involved in leukocyte adhesion

[0319] The invention also encompasses a method of identifying nucleotide sequences involved in leukocyte adhesion. The interaction between the endothelial cell and leukocyte is a fundamental mechanism of all inflammatory disorders, including the diseases listed in Table 1. For example, the first visible abnormality in atherosclerosis is

the adhesion to the endothelium and diapedesis of mononuclear cells (e.g., T-cell and monocyte). Insults to the endothelium (for example, cytokines, tobacco, diabetes, hypertension and many more) lead to endothelial cell activation. The endothelium then expresses adhesion molecules, which have counter receptors on mononuclear cells. Once the leukocyte receptors have bound the endothelial adhesion molecules, they stick to the endothelium, roll a short distance, stop and transmigrate across the endothelium. A similar set of events occurs in both acute and chronic inflammation. When the leukocyte binds the endothelial adhesion molecule, or to soluble cytokines secreted by endothelial or other cells, a program of gene expression is activated in the leukocyte. This program of expression leads to leukocyte rolling, firm adhesion and transmigration into the vessel wall or tissue parenchyma. Inhibition of this process is highly desirable goal in anti-inflammatory drug development. In addition, leukocyte nucleotide sequences and epithelial cell nucleotide sequences, that are differentially expressed during this process may be disease-specific target nucleotide sequences.

[0320] Human endothelial cells, e.g. derived from human coronary arteries, human aorta, human pulmonary artery, human umbilical vein or microvascular endothelial cells, are cultured as a confluent monolayer, using standard methods. Some of the endothelial cells are then exposed to cytokines or another activating stimuli such as oxidized LDL, hyperglycemia, shear stress, or hypoxia (Moser et al. 1992). Some endothelial cells are not exposed to such stimuli and serve as controls. For example, the endothelial cell monolayer is incubated with culture medium containing 5 U/ml of human recombinant IL-1alpha or 10 ng/ml TNF (tumor necrosis factor), for a period of minutes to overnight. The culture medium composition is changed or the flask is sealed to induce hypoxia. In addition, tissue culture plate is rotated to induce sheer stress.

[0321] Human T-cells and/or monocytes are cultured in tissue culture flasks or plates, with LGM-3 media from Clonetics. Cells are incubated at 37 degree C, 5% CO2 and 95% humidity. These leukocytes are exposed to the activated or control endothelial layer by adding a suspension of leukocytes on to the endothelial cell monolayer. The endothelial cell monolayer is cultured on a tissue culture treated plate/ flask or on a microporous membrane. After a variable duration of exposures, the endothelial cells and leukocytes are harvested separately by treating all cells with trypsin and then sorting the

endothelial cells from the leukocytes by magnetic affinity reagents to an endothelial cell specific marker such as PECAM-1 (Stem Cell Technologies). RNA is extracted from the isolated cells by standard techniques. Leukocyte RNA is labeled as described above, and hybridized to leukocyte candidate nucleotide library. Epithelial cell RNA is also labeled and hybridized to the leukocyte candidate nucleotide library. Alternatively, the epithelial cell RNA is hybridized to a epithelial cell candidate nucleotide library, prepared according to the methods described for leukocyte candidate libraries, above.

[0322] Hybridization to candidate nucleotide libraries will reveal nucleotide sequences that are up-regulated or down-regulated in leukocyte and/or epithelial cells undergoing adhesion. The differentially regulated nucleotide sequences are further characterized, e.g. by isolating and sequencing the full-length sequence, analysis of the DNA and predicted protein sequence, and functional characterization of the protein product of the nucleotide sequence, as described above. Further characterization may result in the identification of leukocyte adhesion specific target nucleotide sequences, which may be candidate targets for regulation of the inflammatory process. Small molecule or antibody inhibitors can be developed to inhibit the target nucleotide sequence function. Such inhibitors are tested for their ability to inhibit leukocyte adhesion in the in vitro test described above.

Integrated systems

[0323] Integrated systems for the collection and analysis of expression profiles, and molecular signatures, as well as for the compilation, storage and access of the databases of the invention, typically include a digital computer with software including an instruction set for sequence searching and analysis, and, optionally, high-throughput liquid control software, image analysis software, data interpretation software, a robotic control armature for transferring solutions from a source to a destination (such as a detection device) operably linked to the digital computer, an input device (e.g., a computer keyboard) for entering subject data to the digital computer, or to control analysis operations or high throughput sample transfer by the robotic control armature. Optionally, the integrated system further comprises an image scanner for digitizing label signals from labeled assay components, e.g., labeled nucleic acid hybridized to a candidate library microarray. The image scanner can interface with image analysis

software to provide a measurement of the presence or intensity of the hybridized label, i.e., indicative of an on/off expression pattern or an increase or decrease in expression.

Readily available computational hardware resources using standard operating systems are fully adequate, e.g., a PC (Intel x86 or Pentium chip- compatible DOS, TM OS2, TM WINDOWS, TM WINDOWS NT, TM WINDOWS95, TM WINDOWS98, TM LINUX, or even Macintosh, Sun or PCs will suffice) for use in the integrated systems of the invention. Current art in software technology is similarly adequate (i.e., there are a multitude of mature programming languages and source code suppliers) for design, e.g., of an upgradeable open-architecture object-oriented heuristic algorithm, or instruction set for expression analysis, as described herein. For example, software for aligning or otherwise manipulating ,molecular signatures can be constructed by one of skill using a standard programming language such as Visual basic, Fortran, Basic, Java, or the like, according to the methods herein.

[0325] Various methods and algorithms, including genetic algorithms and neural networks, can be used to perform the data collection, correlation, and storage functions, as well as other desirable functions, as described herein. In addition, digital or analog systems such as digital or analog computer systems can control a variety of other functions such as the display and/or control of input and output files.

For example, standard desktop applications such as word processing software (e.g., Corel WordPerfectTM or Microsoft WordTM) and database software (e.g., spreadsheet software such as Corel Quattro ProTM, Microsoft ExcelTM, or database programs such as Microsoft AccessTM or ParadoxTM) can be adapted to the present invention by inputting one or more character string corresponding, e.g., to an expression pattern or profile, subject medical or historical data, molecular signature, or the like, into the software which is loaded into the memory of a digital system, and carrying out the operations indicated in an instruction set, e.g., as exemplified in Figure 2. For example, systems can include the foregoing software having the appropriate character string information, e.g., used in conjunction with a user interface in conjunction with a standard operating system such as a Windows, Macintosh or LINUX system. For example, an instruction set for manipulating strings of characters, either by programming the required operations into the applications or with the required operations performed manually by a

user (or both). For example, specialized sequence alignment programs such as PILEUP or BLAST can also be incorporated into the systems of the invention, e.g., for alignment of nucleic acids or proteins (or corresponding character strings).

[0327] Software for performing the statistical methods required for the invention, e.g., to determine correlations between expression profiles and subsets of members of the diagnostic nucleotide libraries, such as programmed embodiments of the statistical methods described above, are also included in the computer systems of the invention. Alternatively, programming elements for performing such methods as principle component analysis (PCA) or least squares analysis can also be included in the digital system to identify relationships between data. Exemplary software for such methods is provided by Partek, Inc., St. Peter, Mo; http://www.partek.com.

[0328] Any controller or computer optionally includes a monitor which can include, e.g., a flat panel display (e.g., active matrix liquid crystal display, liquid crystal display), a cathode ray tube ("CRT") display, or another display system which serves as a user interface, e.g., to output predictive data. Computer circuitry, including numerous integrated circuit chips, such as a microprocessor, memory, interface circuits, and the like, is often placed in a casing or box which optionally also includes a hard disk drive, a floppy disk drive, a high capacity removable drive such as a writeable CD-ROM, and other common peripheral elements.

[0329] Inputting devices such as a keyboard, mouse, or touch sensitive screen, optionally provide for input from a user and for user selection, e.g., of sequences or data sets to be compared or otherwise manipulated in the relevant computer system. The computer typically includes appropriate software for receiving user instructions, either in the form of user input into a set parameter or data fields (e.g., to input relevant subject data), or in the form of preprogrammed instructions, e.g., preprogrammed for a variety of different specific operations. The software then converts these instructions to appropriate language for instructing the system to carry out any desired operation.

[0330] The integrated system may also be embodied within the circuitry of an application specific integrated circuit (ASIC) or programmable logic device (PLD). In such a case, the invention is embodied in a computer readable descriptor language that can be used to create an ASIC or PLD. The integrated system can also be embodied

of the barrier during the centrifugation). After centrifugation, the erythrocytes and granulocytes are trapped beneath the barrier, facilitating isolation of the mononuclear cell and serum layers. A mechanical arm removes the tube and inverts it to mix the mononuclear cell layer and the serum (C). The arm next pours the supernatant into a fresh tube (D), while the erythrocytes and granulocytes remained below the barrier. Alternatively, a needle is used to aspirate the supernatant and transfer it to a fresh tube. The mechanical arms of the device opens and closes lids, dispenses PBS to aid in the collection of the mononuclear cells by centrifugation, and moves the tubes in and out of the centrifuge. Following centrifugation, the supernatant is poured off or removed by a vacuum device (E), leaving an isolated mononuclear cell pellet. Purification of the RNA from the cells is performed automatically, with lysis buffer and other purification solutions (F) automatically dispensed and removed before and after centrifugation steps. The result is a purified RNA solution. In another embodiment, RNA isolation is performed using a column or filter method. In yet another embodiment, the invention includes an on-board homogenizer for use in cell lysis.

Other automated systems

high-throughput sample preparation and evaluation are available, and supported by commercially available devices. For example, robotic devices for preparation of nucleic acids from bacterial colonies, e.g., to facilitate production and characterization of the candidate library include, for example, an automated colony picker (e.g., the Q-bot, Genetix, U.K.) capable of identifying, sampling, and inoculating up to 10,000/4 hrs different clones into 96 well microtiter dishes. Alternatively, or in addition, robotic systems for liquid handling are available from a variety of sources, e.g., automated workstations like the automated synthesis apparatus developed by Takeda Chemical Industries, LTD. (Osaka, Japan) and many robotic systems utilizing robotic arms (Zymate II, Zymark Corporation, Hopkinton, Mass.; Orca, Beckman Coulter, Inc. (Fullerton, CA)) which mimic the manual operations performed by a scientist. Any of the above devices are suitable for use with the present invention, e.g., for high-throughput analysis of library components or subject leukocyte samples. The nature and implementation of

modifications to these devices (if any) so that they can operate as discussed herein will be apparent to persons skilled in the relevant art.

High throughput screening systems that automate entire procedures, e.g., sample and reagent pipetting, liquid dispensing, timed incubations, and final readings of the microplate in detector(s) appropriate for the relevant assay are commercially available. (see, e.g., Zymark Corp., Hopkinton, MA; Air Technical Industries, Mentor, OH; Beckman Instruments, Inc. Fullerton, CA; Precision Systems, Inc., Natick, MA, etc.). These configurable systems provide high throughput and rapid start up as well as a high degree of flexibility and customization. Similarly, arrays and array readers are available, e.g., from Affymetrix, PE Biosystems, and others.

[0337] The manufacturers of such systems provide detailed protocols the various high throughput. Thus, for example, Zymark Corp. provides technical bulletins describing screening systems for detecting the modulation of gene transcription, ligand binding, and the like.

[0338] A variety of commercially available peripheral equipment, including, e.g., optical and fluorescent detectors, optical and fluorescent microscopes, plate readers, CCD arrays, phosphorimagers, scintillation counters, phototubes, photodiodes, and the like, and software is available for digitizing, storing and analyzing a digitized video or digitized optical or other assay results, e.g., using PC (Intel x86 or pentium chipcompatible DOSTM, OS2TM WINDOWSTM, WINDOWS NTTM or WINDOWS95TM based machines), MACINTOSHTM, or UNIX based (e.g., SUNTM work station) computers.

Embodiment in a web site.

[0339] The methods described above can be implemented in a localized or distributed computing environment. For example, if a localized computing environment is used, an array comprising a candidate nucleotide library, or diagnostic nucleotide set, is configured in proximity to a detector, which is, in turn, linked to a computational device equipped with user input and output features.

[0340] In a distributed environment, the methods can be implemented on a single computer with multiple processors or, alternatively, on multiple computers. The computers can be linked, e.g. through a shared bus, but more commonly, the computer(s) are nodes on a network. The network can be generalized or dedicated, at a local level or

distributed over a wide geographic area. In certain embodiments, the computers are components of an intra-net or an internet.

The predictive data corresponding to subject molecular signatures (e.g., expression profiles, and related diagnostic, prognostic, or monitoring results) can be shared by a variety of parties. In particular, such information can be utilized by the subject, the subject's health care practitioner or provider, a company or other institution, or a scientist. An individual subject's data, a subset of the database or the entire database recorded in a computer readable medium can be accessed directly by a user by any method of communication, including, but not limited to, the internet. With appropriate computational devices, integrated systems, communications networks, users at remote locations, as well as users located in proximity to, e.g., at the same physical facility, the database can access the recorded information. Optionally, access to the database can be controlled using unique alphanumeric passwords that provide access to a subset of the data. Such provisions can be used, e.g., to ensure privacy, anonymity, etc.

[0342] Typically, a client (e.g., a patient, practitioner, provider, scientist, or the like) executes a Web browser and is linked to a server computer executing a Web server. The Web browser is, for example, a program such as IBM's Web Explorer, Internet explorer, NetScape or Mosaic, or the like. The Web server is typically, but not necessarily, a program such as IBM's HTTP Daemon or other WWW daemon (e.g., LINUX-based forms of the program). The client computer is bi-directionally coupled with the server computer over a line or via a wireless system. In turn, the server computer is bi-directionally coupled with a website (server hosting the website) providing access to software implementing the methods of this invention.

A user of a client connected to the Intranet or Internet may cause the client to request resources that are part of the web site(s) hosting the application(s) providing an implementation of the methods described herein. Server program(s) then process the request to return the specified resources (assuming they are currently available). A standard naming convention has been adopted, known as a Uniform Resource Locator ("URL"). This convention encompasses several types of location names, presently including subclasses such as Hypertext Transport Protocol ("http"), File Transport Protocol ("ftp"), gopher, and Wide Area Information Service ("WAIS"). When a resource

is downloaded, it may include the URLs of additional resources. Thus, the user of the client can easily learn of the existence of new resources that he or she had not specifically requested.

[0344] Methods of implementing Intranet and/or Intranet embodiments of computational and/or data access processes are well known to those of skill in the art and are documented, e.g., in ACM Press, pp. 383-392; ISO-ANSI, Working Draft, "Information Technology-Database Language SQL", Jim Melton, Editor, International Organization for Standardization and American National Standards Institute, Jul. 1992; ISO Working Draft, "Database Language SQL-Part 2:Foundation (SQL/Foundation)", CD9075-2:199.chi.SQL, Sep. 11, 1997; and Cluer et al. (1992) A General Framework for the Optimization of Object-Oriented Queries, Proc SIGMOD International Conference on Management of Data, San Diego, California, Jun. 2-5, 1992, SIGMOD Record, vol. 21, Issue 2, Jun., 1992; Stonebraker, M., Editor;. Other resources are available, e.g., from Microsoft, IBM, Sun and other software development companies.

[0345] Using the tools described above, users of the reagents, methods and database as discovery or diagnostic tools can query a centrally located database with expression and subject data. Each submission of data adds to the sum of expression and subject information in the database. As data is added, a new correlation statistical analysis is automatically run that incorporates the added clinical and expression data. Accordingly, the predictive accuracy and the types of correlations of the recorded molecular signatures increases as the database grows.

[0346] For example, subjects, such as patients, can access the results of the expression analysis of their leukocyte samples and any accrued knowledge regarding the likelihood of the patient's belonging to any specified diagnostic (or prognostic, or monitoring, or risk group), i.e., their expression profiles, and/or molecular signatures. Optionally, subjects can add to the predictive accuracy of the database by providing additional information to the database regarding diagnoses, test results, clinical or other related events that have occurred since the time of the expression profiling. Such information can be provided to the database via any form of communication, including, but not limited to, the internet. Such data can be used to continually define (and redefine) diagnostic groups. For example, if 1000 patients submit data regarding the occurrence of

myocardial infarction over the 5 years since their expression profiling, and 300 of these patients report that they have experienced a myocardial infarction and 700 report that they have not, then the 300 patients define a new "group A." As the algorithm is used to continually query and revise the database, a new diagnostic nucleotide set that differentiates groups A and B (i.e., with and without myocardial infarction within a five year period) is identified. This newly defined nucleotide set is then be used (in the manner described above) as a test that predicts the occurrence of myocardial infarction over a five-year period. While submission directly by the patient is exemplified above, any individual with access and authority to submit the relevant data e.g., the patient's physician, a laboratory technician, a health care or study administrator, or the like, can do so.

[0347] As will be apparent from the above examples, transmission of information via the internet (or via an intranet) is optionally bi-directional. That is, for example, data regarding expression profiles, subject data, and the like are transmitted via a communication system to the database, while information regarding molecular signatures, predictive analysis, and the like, are transmitted from the database to the user. For example, using appropriate configurations of an integrated system including a microarray comprising a diagnostic nucleotide set, a detector linked to a computational device can directly transmit (locally or from a remote workstation at great distance, e.g., hundreds or thousands of miles distant from the database) expression profiles and a corresponding individual identifier to a central database for analysis according to the methods of the invention. According to, e.g., the algorithms described above, the individual identifier is assigned to one or more diagnostic (or prognostic, or monitoring, etc.) categories. The results of this classification are then relayed back, via, e.g., the same mode of communication, to a recipient at the same or different internet (or intranet) address.

Kits

[0348] The present invention is optionally provided to a user as a kit. Typically, a kit contains one or more diagnostic nucleotide sets of the invention. Alternatively, the kit contains the candidate nucleotide library of the invention. Most often, the kit contains a diagnostic nucleotide probe set, or other subset of a candidate library, e.g., as a cDNA or

antibody microarray packaged in a suitable container. The kit may further comprise, one or more additional reagents, e.g., substrates, labels, primers, for labeling expression products, tubes and/or other accessories, reagents for collecting blood samples, buffers, e.g., erythrocyte lysis buffer, leukocyte lysis buffer, hybridization chambers, cover slips, etc., as well as a software package, e.g., including the statistical methods of the invention, e.g., as described above, and a password and/or account number for accessing the compiled database. The kit optionally further comprises an instruction set or user manual detailing preferred methods of using the diagnostic nucleotide sets in the methods of the invention. Exemplary kits are described in Figure 3.

[0349] This invention will be better understood by reference to the following non-limiting Examples:

EXAMPLES

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Examples

Example 1: Generation of subtracted leukocyte candidate nucleotide library

[0350] To produce a candidate nucleotide library with representatives from the spectrum of nucleotide sequences that are differentially expressed in leukocytes, subtracted hybridization libraries were produced from the following cell types and conditions:

- 1. Buffy Coat leukocyte fractions stimulated with ionomycin and PMA
- 2. Buffy Coat leukocyte fractions un-stimulated

- 3. Peripheral blood mononuclear cells stimulated with ionomycin and PMA
 - 4. Peripheral blood mononuclear cells un-stimulated
 - 5. T lymphocytes stimulated with PMA and ionomycin
 - 6. T lymphocytes resting

Cells were obtained from multiple individuals to avoid introduction of bias by using only one person as a cell source.

Buffy coats (platelets and leukocytes that are isolated from whole blood) [0351] were purchased from Stanford Medical School Blood Center. Four buffy coats were used, each of which was derived from about 350 ml of whole blood from one donor individual 10 ml of buffy coat sample was drawn from the sample bag using a needle and syringe. 40 ml of Buffer EL (Qiagen) was added per 10 ml of buffy coat to lyse red blood cells. The sample was placed on ice for 15 minutes, and cells were collected by centrifugation at 2000 rpm for 10 minutes. The supernatant was decanted and the cell pellet was re-suspended in leukocyte growth media supplemented with DNase (LGM-3 from Clonetics supplemented with Dnase at a final concentration of 30 U/ml). Cell density was determined using a hemocytometer. Cells were plated in media at a density of 1x10⁶ cells/ml in a total volume of 30 ml in a T-75 flask (Corning). Half of the cells were stimulated with ionomycin and phorbol myristate acetate (PMA) at a final concentration of 1 µg/ml and 62 ng/ml, respectively. Cells were incubated at 37°C and at 5% CO₂ for 3 hours, then cells were scraped off the flask and collected into 50 ml tubes. Stimulated and resting cell populations were kept separate. Cells were centrifuged at 2000 rpm for 10 minutes and the supernatant was removed. Cells were lysed in 6 ml of phenol/guanidine isothyocyanate (Trizol reagent, GibcoBRL), homogenized using a rotary homogenizer, and frozen at 80°. Total RNA and mRNA were isolated as described below.

[0352] Two frozen vials of $5x10^6$ human peripheral blood mononuclear cells (PBMCs) were purchased from Clonetics (catalog number cc-2702). The cells were rapidly thawed in a 37°C water bath and transferred to a 15 ml tube containing 10 ml of leukocyte growth media supplemented with DNase (prepared as described above). Cells were centrifuged at 200µg for 10 minutes. The supernatant was removed and the cell

pellet was resuspended in LGM-3 media supplemented with DNase. Cell density was determined using a hemocytometer. Cells were plated at a density of $1x10^6$ cells/ml in a total volume of 30 ml in a T-75 flask (Corning). Half of the cells were stimulated with ionomycin and PMA at a final concentration of 1 µg/ml and 62 ng/ml, respectively. Cells were incubated at 37°C and at 5% CO₂ for 3 hours, then cells were scraped off the flask and collected into 50 ml tubes. Stimulated and resting cell populations were kept separate. Cells were centrifuged at 2000 rpm and the supernatant was removed. Cells were lysed in 6 ml of phenol/guanidine isothyocyanate solution (TRIZOL reagent, GibcoBRL)), homogenized using a rotary homogenizer, and frozen at 80°. Total RNA and mRNA were isolated from these samples using the protocol described below.

45 ml of whole blood was drawn from a peripheral vein of four healthy [0353] human subjects into tubes containing anticoagulant. 50 µl RosetteSep (Stem Cell Technologies) cocktail per ml of blood was added, mixed well, and incubated for 20 minutes at room temperature. The mixture was diluted with an equal volume of PBS + 2% fetal bovine serum (FBS) and mixed by inversion. 30 ml of diluted mixture sample was layered on top of 15 ml DML medium (Stem Cell Technologies). The sample tube was centrifuged for 20 minutes at 1200xg at room temperature. The enriched Tlymphocyte cell layer at the plasma: medium interface was removed. Enriched cells were washed with PBS + 2% FBS and centrifuged at 1200 x g. The cell pellet was treated with 5 ml of erythrocyte lysis buffer (EL buffer, Qiagen) for 10 minutes on ice. The sample was centrifuged for 5 min at 1200g. Cells were plated at a density of 1x10⁶ cells/ml in a total volume of 30 ml in a T-75 flask (Corning). Half of the cells were stimulated with ionomycin and PMA at a final concentration of 1 µg/ml and 62 ng/ml, respectively. Cells were incubated at 37°C and at 5% CO2 for 3 hours, then cells were scraped off the flask and collected into 50 ml tubes. Stimulated and resting cell populations were kept separate. Cells were centrifuged at 2000 rpm and the supernatant was removed. Cells were lysed in 6 ml of phenol/guanidine isothyocyanate solution (TRIZOL reagent, GibcoBRL), homogenized using a rotary homogenizer, and frozen at 80°. Total RNA and mRNA were isolated as described below.

[0354] Total RNA and mRNA were isolated using the following procedure: the homogenized samples were thawed and mixed by vortexing. Samples were lysed in a

1:0.2 mixture of Trizol and chloroform, respectively. For some samples, 6 ml of Trizol-chloroform was added. Variable amounts of Trizol-chloroform was added to other samples. Following lysis, samples were centrifuged at 3000 g for 15 min at 4°C. The aqueous layer was removed into a clean tube and 4 volumes of Buffer RLT Qiagen) was added for every volume of aqueous layer. The samples were mixed thoroughly and total RNA was prepared from the sample by following the Qiagen Rneasy midi protocol for RNA cleanup (October 1999 protocol, Qiagen). For the final step, the RNA was eluted from the column twice with 250 μ l Rnase-free water. Total RNA was quantified using a spectrophotometer. Isolation of mRNA from total RNA sample was done using The Oligotex mRNA isolation protocol (Qiagen) was used to isolate mRNA from total RNA, according to the manufacturer's instructions (Qiagen, 7/99 version). mRNA was quantified by spectrophotometry.

[0355] Subtracted cDNA libraries were prepared using Clontech's PCR-Select cDNA Subtraction Kit (protocol number PT-1117-1) as described in the manufacturer's protocol. The protocol calls for two sources of RNA per library, designated "Driver" and "Tester." The following 6 libraries were made:

Library	Driver RNA	Tester RNA
Buffy Coat Stimulated	Un-stimulated Buffy Coat	Stimulated Buffy Coat
Buffy Coat Resting	Stimulated Buffy Coat	Un-stimulated Buffy Coat
PBMC Stimulated	Un-stimulated PBMCs	Stimulated PBMCs
PBMC Resting	Stimulated PBMCs	Un-stimulated PBMCs
T-cell Stimulated	Un-stimulated T-cells	Stimulated T-cells
T-cell Resting	Stimulated T-cells	Un-stimulated T-cells

[0356] The Clontech protocol results in the PCR amplification of cDNA products. The PCR products of the subtraction protocol were ligated to the pGEM T-easy bacterial vector as described by the vector manufacturer (Promega 6/99 version). Ligated vector was transformed into competent bacteria using well-known techniques, plated, and individual clones are picked, grown and stored as a glycerol stock at –80C. Plasmid DNA was isolated from these bacteria by standard techniques and used for sequence analysis of the insert. Unique cDNA sequences were searched in the Unigene database

(build 133), and Unigene cluster numbers were identified that corresponded to the DNA sequence of the cDNA. Unigene cluster numbers were recorded in an Excel spreadsheet.

Example 2: Identification of nucleotide sequences for candidate library using data mining techniques

[0357] Existing and publicly available gene sequence databases were used to identify candidate nucleotide sequences for leukocyte expression profiling. Genes and nucleotide sequences with specific expression in leukocytes, for example, lineage specific markers, or known differential expression in resting or activated leukocytes were identified. Such nucleotide sequences are used in a leukocyte candidate nucleotide library, alone or in combination with nucleotide sequences isolated through cDNA library construction, as described above.

[0358] Leukocyte candidate nucleotide sequences were identified using three primary methods. First, the publically accessible publication database PubMed was searched to identify nucleotide sequences with known specific or differential expression in leukocytes. Nucleotide sequences were identified that have been demonstrated to have differential expression in peripheral blood leukocytes between subjects with and without particular disease(s) selected from Table 1. Additionally, genes and gene sequences that were known to be specific or selective for leukocytes or sub-populations of leukocytes were identified in this way.

[0359] Next, two publicly available databases of DNA sequences, Unigene (http://www.ncbi.nlm.nih.gov/UniGene/) and BodyMap (http://bodymap.ims.utokyo.ac.jp/), were searched for sequenced DNA clones that showed specificity to leukocyte lineages, or subsets of leukocytes, or resting or activated leukocytes.

The human Unigene database (build 133) was used to identify leukocyte candidate nucleotide sequences that were likely to be highly or exclusively expressed in leukocytes. We used the Library Differential Display utility of Unigene (http://www.ncbi.nlm.nih.gov/UniGene/info/ddd.html), which uses statistical methods (The Fisher Exact Test) to identify nucleotide sequences that have relative specificity for a chosen library or group of libraries relative to each other. We compared the following human libraries from Unigene release 133:

- 546 NCI CGAP HSC1 (399) Human mRNA from cd34+ stem cells (122) 848 105 CD34+DIRECTIONAL (150) KRIBB Human CD4 intrathymic T-cell cDNA library (134) 3587 3586 KRIBB Human DP intrathymic_T-cell_cDNA_library (179) KRIBB Human TN intrathymic T-cell cDNA library (127) 3585 3586 323 Activated T-cells I (740) 376 Activated T-cells XX (1727) 327 Monocytes, stimulated_II (110) 824 Proliferating Erythroid Cells (LCB:ad library) (665) 825 429 Macrophage II (105) 387 Macrophage I (137) 669 NCI CGAP CLL1 (11626) 129 Human White blood_cells (922) 1400 NIH MGC 2 (422) 55 Human promyelocyte (1220) 1010 NCI CGAP CML1 (2541) 2217 NCI CGAP Sub7 (218)
- [0361] BodyMap, like Unigene, contains cell-specific libraries that contain potentially useful information about genes that may serve as lineage-specific or leukocyte specific markers (Okubo et al. 1992). We compared three leukocyte specific libraries, Granulocyte, CD4 T cell, and CD8 T cell, with the other libraries. Nucleotide sequences that were found in one or more of the leukocyte-specific libraries, but absent in the others, were identified. Clones that were found exclusively in one of the three leukocyte libraries were also included in a list of nucleotide sequences that could serve as lineage-specific markers.

NCI_CGAP_Sub6 (2764)

NIH MGC 48 (2524)

1395

4874

[0362] Next, the sequence of the nucleotide sequences identified in PubMed or BodyMap were searched in Unigene (version 133), and a human Unigene cluster number was identified for each nucleotide sequence. The cluster number was recorded in a

Microsoft Excel™ spreadsheet, and a non-redundant list of these clones was made by sorting the clones by UniGene number, and removing all redundant clones using Microsoft Excel™ tools. The non-redundant list of UniGene cluster numbers was then compared to the UniGene cluster numbers of the cDNAs identified using differential cDNA hybridization, as described above in Example 1 (listed in Table 3 and the sequence listing). Only UniGene clusters that were not contained in the cDNA libraries were retained. Unigene clusters corresponding to 1911 candidate nucleotide sequences for leukocyte expression profiling were identified in this way and are listed in Table 3 and the sequence listing.

[0363] DNA clones corresponding to each UniGene cluster number are obtained in a variety of ways. First, a cDNA clone with identical sequence to part of, or all of the identified UniGene cluster is bought from a commercial vendor or obtained from the IMAGE consortium (http://image.llnl.gov/, the Integrated Molecular Analysis of Genomes and their Expression). Alternatively, PCR primers are designed to amplify and clone any portion of the nucleotide sequence from cDNA or genomic DNA using well-known techniques. Alternatively, the sequences of the identified UniGene clusters are used to design and synthesize oligonucleotide probes for use in microarray based expression profiling.

Example 3: DNA Sequencing and Processing of raw sequence data.

[0364] Clones of differentially expressed cDNAs (identified by subtractive hybridization, described above) were sequenced on an MJ Research BaseStationTM slab gel based fluorescent detection system, using BigDyeTM (Applied Biosystems, Foster City, CA) terminator chemistry was used (Heiner et al., Genome Res 1998 May;8(5):557-61).

[0365] The fluorescent profiles were analyzed using the Phred sequence analysis program (Ewing et al, (1998), Genome Research 8: 175-185). Analysis of each clone results in a one pass nucleotide sequence and a quality file containing a number for each base pair with a score based on the probability that the determined base is correct. Each sequence files and its respective quality files were initially combined into single fasta format (Pearson, WR. Methods Mol Biol. 2000;132:185-219), multi-sequence file with the appropriate labels for each clone in the headers for subsequent automated analysis.

Initially, known sequences were analyzed by pair wise similarity searching using the blastn option of the blastall program obtained from the National Center for Biological Information, National Library of Medicine, National Institutes of Health (NCBI) to determine the quality score that produced accurate matching (Altschul SF,et al. J Mol Biol. 1990 Oct 5;215(3):403-10.). Empirically, it was determined that a raw score of 8 was the minimum that contained useful information. Using a sliding window average for 16 base pairs, an average score was determined. The sequence was removed (trimmed) when the average score fell below 8. Maximum reads were 950 nucleotides long.

database file containing the flanking vector sequences used to clone the cDNA, using the blastall program with the blastn option. All regions of vector similarity were removed, or "trimmed" from the sequences of the clones using scripts in the GAWK programming language, a variation of AWK (Aho AV et al, The Awk Programming Language (Addison-Wesley, Reading MA, 1988); Robbins, AD, "Effective AWK Programming" (Free Software Foundation, Boston MA, 1997). It was found that the first 45 base pairs of all the sequences were related to vector; these sequences were also trimmed and thus removed from consideration. The remaining sequences were then compared against the NCBI vector database (Kitts, P.A. et al. National Center for Biological Information, National Library of Medicine, National Institutes of Health, Manuscript in preparation (2001) using blastall with the blastn option. Any vector sequences that were found were removed from the sequences.

[0368] Messenger RNA contains repetitive elements that are found in genomic DNA. These repetitive elements lead to false positive results in similarity searches of query mRNA sequences versus known mRNA and EST databases. Additionally, regions of low information content (long runs of the same nucleotide, for example) also result in false positive results. These regions were masked using the program RepeatMasker2 found at http://repeatmasker.genome.washington.edu (Smit, AFA & Green, P "RepeatMasker" at http://ftp.genome.washington.edu/RM/RepeatMasker.html). The trimmed and masked files were then subjected to further sequence analysis.

Example 4: Further sequence analysis of novel nucleotide sequences identified by subtractive hybridization screening

cDNA sequences were further characterized using BLAST analysis. The BLASTN program was used to compare the sequence of the fragment to the UniGene, dbEST, and nr databases at NCBI (GenBank release 123.0; see Table 5). In the BLAST algorithm, the expect value for an alignment is used as the measure of its significance. First, the cDNA sequences were compared to sequences in Unigene (http://www.ncbi.nlm.nih.gov/UniGene). If no alignments were found with an expect value less than 10⁻²⁵, the sequence was compared to the sequences in the dbEST database using BLASTN. If no alignments were found with an expect value less than 10⁻²⁵, the sequence was compared to sequences in the nr database.

[0370] The BLAST analysis produced the following categories of results: a) a significant match to a known or predicted human gene, b) a significant match to a nonhuman DNA sequence, such as vector DNA or *E. coli* DNA, c) a significant match to an unidentified GenBank entry (a sequence not previously identified or predicted to be an expressed sequence or a gene), such as a cDNA clone, mRNA, or cosmid, or d) no significant alignments. If a match to a known or predicted human gene was found, analysis of the known or predicted protein product was performed as described below. If a match to an unidentified GenBank entry was found, or if no significant alignments were found, the sequence was searched against all known sequences in the human genome database

(http://www.ncbi.nlm.nih.gov/genome/seq/page.cgi?F=HsBlast.html&&ORG=Hs, see Table 5).

[0371] If many unknown sequences were to be analyzed with BLASTN, the clustering algorithm CAP2 (Contig Assembly Program, version 2) was used to cluster them into longer, contiguous sequences before performing a BLAST search of the human genome. Sequences that can be grouped into contigs are likely to be cDNA from expressed genes rather than vector DNA, *E. coli* DNA or human chromosomal DNA from a noncoding region, any of which could have been incorporated into the library. Clustered sequences provide a longer query sequence for database comparisons with BLASTN, increasing the probability of finding a significant match to a known gene.

When a significant alignment was found, further analysis of the putative gene was performed, as described below. Otherwise, the sequence of the original cDNA fragment or the CAP2 contig is used to design a probe for expression analysis and further approaches are taken to identify the gene or predicted gene that corresponds to the cDNA sequence, including similarity searches of other databases, molecular cloning, and Rapid Amplification of cDNA Ends (RACE).

[0372] In some cases, the process of analyzing many unknown sequences with BLASTN was automated by using the BLAST network-client program blastcl3, which was downloaded from ftp://ncbi.nlm.nih.gov/blast/network/netblast.

[0373] When a cDNA sequence aligned to the sequence of one or more chromosomes, a large piece of the genomic region around the loci was used to predict the gene containing the cDNA. To do this, the contig corresponding to the mapped locus, as assembled by the RefSeq project at NCBI, was downloaded and cropped to include the region of alignment plus 100,000 bases preceding it and 100,000 bases following it on the chromosome. The result was a segment 200 kb in length, plus the length of the alignment. This segment, designated a putative gene, was analyzed using an exon prediction algorithm to determine whether the alignment area of the unknown sequence was contained within a region predicted to be transcribed (see Table 6).

This putative gene was characterized as follows: all of the exons comprising the putative gene and the introns between them were taken as a unit by noting the residue numbers on the 200kb+ segment that correspond to the first base of the first exon and the last base of the last exon, as given in the data returned by the exon prediction algorithm. The truncated sequence was compared to the UniGene, dbEST, and nr databases to search for alignments missed by searching with the initial fragment.

[0375] The predicted amino acid sequence of the gene was also analyzed. The peptide sequence of the gene predicted from the exons was used in conjunction with numerous software tools for protein analysis (see Table 7). These were used to classify or identify the peptide based on similarities to known proteins, as well as to predict physical, chemical, and biological properties of the peptides, including secondary and tertiary structure, flexibility, hydrophobicity, antigenicity (hydrophilicity), common domains and motifs, and localization within the cell or tissues. The peptide sequence was

compared to protein databases, including SWISS-PROT, TrEMBL, GenPept, PDB, PIR, PROSITE, ProDom, PROSITE, Blocks, PRINTS, and Pfam, using BLASTP and other algorithms to determine similarities to known proteins or protein subunits.

Example 5: Further sequence analysis of novel Clone 596H6

ACTATATTTA	GGCACCACTG	CCATAAACTA	CCAAAAAAA	AATGTAATTC	50
CTAGAAGCTG	TGAAGAATAG	TAGTGTAGCT	AAGCACGGTG	TGTGGACAGT	100
GGGACATCTG	CCACCTGCAG	TAGGTCTCTG	CACTCCCAAA	AGCAAATTAC	150
ATTGGCTTGA	ACTTCAGTAT	GCCCGGTTCC	ACCCTCCAGA	AACTTTTGTG	200
TTCTTTGTAT	AGAATTTAGG	AACTTCTGAG	GGCCACAAAT	ACACACATTA	250
AAAAAGGTAG	AATTTTTGAA	GATAAGATTC	TTCTAAAAAA	GCTTCCCAAT	300
GCTTGAGTAG	AAAGTATCAG	TAGAGGTATC	AAGGGAGGAG	AGACTAGGTG	350
ACCACTAAAC	TCCTTCAGAC	TCTTAAAATT	ACGATTCTTT	TCTCAAAGGG	400
GAAGAACGTC	AGTGCAGCGA	TCCCTTCACC	TTTAGCTAAA	GAATTGGACT	450
GTGCTGCTCA	AAATAAAGAT	CAGTTGGAGG	TANGATGTCC	AAGACTGAAG	500
GTAAAGGACT	AGTGCAAACT	GAAAGTGATG	GGGAAACAGA	CCTACGTATG	550
GAAGCCATGT	AGTGTTCTTC	ACAGGCTGCT	GTTGACTGAA	ATTCCTATCC	600
TCAAATTACT	CTAGACTGAA	GCTGCTTCCC	TTCAGTGAGC	AGCCTCTCCT	650
TCCAAGATTC	TGGAAAGCAC	ACCTGACTCC	AAACAAAGAC	TTAGAGCCCT	700
GTGTCAGTGC	TGCTGCTGCT	TTTACCAGAT	TCTCTAACCT	TCCGGGTAGA	750
AGAG	(SEQ ID NO:				

8767)

[0377] This sequence was used as input for a series of BLASTN searches. First, it was used to search the UniGene database, build 132

(http://www.ncbi.nlm.nih.gov/BLAST/). No alignments were found with an expect value less than the threshold value of 10⁻²⁵. A BLASTN search of the database dbEST, release 041001, was then performed on the sequence and 21 alignments were found (http://www.ncbi.nlm.nih.gov/BLAST/). Ten of these had expect values less than 10^{-25} , but all were matches to unidentified cDNA clones. Next, the sequence was used to run a BLASTN search of the nr database, release 123.0. No significant alignment to any sequence in nr was found. Finally, a BLASTN search of the human genome was

performed on the sequence

(http://www.ncbi.nlm.nih.gov/genome/seq/page.cgi?F=HsBlast.html&&ORG=Hs).

[0378] A single alignment to the genome was found on contig NT_004698.3 (e=0.0). The region of alignment on the contig was from base 1,821,298 to base 1,822,054, and this region was found to be mapped to chromosome 1, from base 105,552,694 to base 105,553,450. The sequence containing the aligned region, plus 100 kilobases on each side of the aligned region, was downloaded. Specifically, the sequence of chromosome 1 from base105,452,694 to 105,653,450 was downloaded (http://www.ncbi.nlm.nih.gov/cgi-

bin/Entrez/seq reg.cgi?chr=1&from=105452694&to=105653450).

[0379] This 200,757 bp segment of the chromosome was used to predict exons and their peptide products as follows. The sequence was used as input for the Genscan algorithm (http://genes.mit.edu/GENSCAN.html), using the following Genscan settings:

[0380] Organism: vertebrate

[0381] Suboptimal exon cutoff: 1.00 (no suboptimal exons)

[0382] Print options: Predicted CDS and peptides

The region matching the sequence of clone 596H6 was known to span base numbers 100,001 to 100,757 of the input sequence. An exon was predicted by the algorithm, with a probability of 0.695, covering bases 100,601 to 101,094 (designated exon 4.14 of the fourth predicted gene). This exon was part of a predicted cistron that is 24,195 bp in length. The sequence corresponding to the cistron was noted and saved separately from the 200,757 bp segment. BLASTN searches of the Unigene, dbEST, and nr databases were performed on it.

[0384] At least 100 significant alignments to various regions of the sequence were found in the dbEST database, although most appeared to be redundant representations of a few exons. All matches were to unnamed cDNAs and mRNAs (unnamed cDNAs and mRNAs are cDNAs and mRNAs not previously identified, or shown to correspond to a known or predicted human gene) from various tissue types. Most aligned to a single region on the sequence and spanned 500 bp or less, but several consisted of five or six regions separated by gaps, suggesting the locations of exons in the gene. Several significant matches to entries in the UniGene database were found, as well,

even after masking low-complexity regions and short repeats in the sequence. All matches were to unnamed cDNA clones.

[0385] At least 100 significant alignments were found in the nr database, as well. A similarity to hypothetical protein FLJ22457 (UniGene cluster Hs.238707)was found (e=0.0). The cDNA of this predicted protein has been isolated from B lymphocytes (http://www.ncbi.nlm.nih.gov/entrez/viewer.cgi?save=0&cmd=&cfm=on&f=1&view=gp &txt=0&val=13637988).

[0386] Other significant alignments were to unnamed cDNAs and mRNAs.

[0387] Using Genscan, the following 730 residue peptide sequence was predicted from the putative gene:

MDGLGRRLRA	SLRLKRGHGG	HWRLNEMPYM	KHEFDGGPPQ	DNSGEALKEP	50
ERAQEHSLPN	FAGGQHFFEY	LLVVSLKKKR	SEDDYEPIIT	YQFPKRENLL	100
RGQQEEEERL	LKAIPLFCFP	DGNEWASLTE	YPSLSCKTPG	LLAALVVEKA	150
QPRTCCHASA	PSAAPQARGP	DAPSPAAGQA	LPAGPGPRLP	KVYCIISCIG	200
CFGLFSKILD	EVEKRHQISM	AVIYPFMQGL	REAAFPAPGK	TVTLKSFIPD	250
SGTEFISLTR	PLDSHLEHVD	FSSLLHCLSF	EQILQIFASA	VLERKIIFLA	300
EGLREEEKDV	RDSTEVRGAG	ECHGFQRKGN	LGKQWGLCVE	DSVKMGDNQR	350
GTSCSTLSQC	IHAAAALLYP	FSWAHTYIPV	VPESLLATVC	CPTPFMVGVQ	400
MRFQQEVMDS	PMEEIQPQAE	IKTVNPLGVY	EERGPEKASL	CLFQVLLVNL	450
CEGTFLMSVG	DEKDILPPKL	QDDILDSLGQ	GINELKTAEQ	INEHVSGPFV	500
QFFVKIVGHY	ASYIKREANG	QGHFQERSFC	KALTSKTNRR	FVKKFVKTQL	550
FSLFIQEAEK	SKNPPAEVTQ	VGNSSTCVVD	TWLEAAATAL	SHHYNIFNTE	600
HTLWSKGSAS	LHEVCGHVRT	RVKRKILFLY	VSLAFTMGKS	IFLVENKAMN	650
MTIKWTTSGR	PGHGDMFGVI	ESWGAAALLL	LTGRVRDTGK	SSSSTGHRAS	700
KSLVWSQVCF	PESWEERLLT	EGKQLQSRVI	SEQ ID NO:8768		

[0388] Multiple analyses were performed using this prediction. First, a pairwise comparison of the sequence above and the sequence of FLJ22457, the hypothetical protein mentioned above, using BLASTP version 2.1.2 (http://ncbi.nlm.nih.gov/BLAST/), resulted in a match with an expect value of 0.0. The peptide sequence predicted from clone 596H6 was longer and 19% of the region of

alignment between the two resulted from gaps in hypothetical protein FLJ22457. The cause of the discrepancy might be alternative mRNA splicing, alternative post-translational processing, or differences in the peptide-predicting algorithms used to create the two sequences, but the homology between the two is significant.

[0389] BLASTP and TBLASTN were also used to search for sequence similarities in the SWISS-PROT, TrEMBL, GenBank Translated, and PDB databases. Matches to several proteins were found, among them a tumor cell suppression protein, HTS1. No matches aligned to the full length of the peptide sequence, however, suggesting that similarity is limited to a few regions of the peptide.

[0390] TBLASTN produced matches to several proteins – both identified and theoretical – but again, no matches aligned to the full length of the peptide sequence. The best alignment was to the same hypothetical protein found in GenBank before (FLJ22457).

[0391] To discover similarities to protein families, comparisons of the domains (described above) were carried out using the Pfam and Blocks databases. A search of the Pfam database identified two regions of the peptide domains as belonging the DENN protein family (e=2.1 x 10-³³). The human DENN protein possesses an RGD cellular adhesion motif and a leucine-zipper-like motif associated with protein dimerization, and shows partial homology to the receptor binding domain of tumor necrosis factor alpha. DENN is virtually identical to MADD, a human MAP kinase-activating death domain protein that interacts with type I tumor necrosis factor receptor (http://srs.ebi.ac.uk/srs6bin/cgi-bin/wgetz?-id+fS5n1GQsHf+-e+[INTERPRO:'IPR001194']). The search of the Blocks database also revealed similarities between regions of the peptide sequence and known protein groups, but none with a satisfactory degree of confidence. In the Blocks scoring system, scores over 1,100 are likely to be relevant. The highest score of any match to the predicted peptide was 1,058.

[0392] The Prosite, ProDom, PRINTS databases (all publicly available) were used to conduct further domain and motif analysis. The Prosite search generated many recognized protein domains. A BLASTP search was performed to identify areas of similarity between the protein query sequence and PRINTS, a protein database of protein

fingerprints, groups of motifs that together form a characteristic signature of a protein family. In this case, no groups were found to align closely to any section of the submitted sequence. The same was true when the ProDom database was searched with BLASTP.

[0393] A prediction of protein structure was done by performing a BLAST search of the sequence against PDB, a database in which every member has tertiary structure information. No significant alignments were found by this method. Secondary and super-secondary structure was examined using the Garnier algorithm. Although it is only considered to be 60-65% accurate, the algorithm provided information on the locations and lengths of alpha-helices, beta-sheets, turns and coils.

[0394] • The antigenicity of the predicted peptide was modeled by graphing hydrophilicity vs. amino acid number. This produced a visual representation of trends in hydrophilicity along the sequence. Many locations in the sequence showed antigenicity and five sites had antigenicity greater than 2. This information can be used in the design of affinity reagents to the protein.

[0395] Membrane-spanning regions were predicted by graphing hydrophobicity vs. amino acid number. Thirteen regions were found to be somewhat hydrophobic. The algorithm TMpred predicted a model with 6 strong transmembrane helices (http://www.ch.embnet.org/software/

[0396] TMPRED_form.html).

[0397] NNPSL is a neural network algorithm developed by the Sanger Center. It uses amino acid composition and sequence to predict cellular location. For the peptide sequence submitted, its first choice was mitochondrial (51.1% expected accuracy). Its second choice was cytoplasmic (91.4% expected accuracy).

Example 6: Further sequence analysis of novel Clone 486E11

[0398] The sequence of clone 486E11 is provided below:

-	•	=			
TAAAAGCAGG	CTGTGCACTA	GGGACCTAGT	GACCTTACTA	GAAAAAACTC	50
AAATTCTCTG	AGCCACAAGT	CCTCATGGGC	AAAATGTAGA	TACCACCACC	100
TAACCCTGCC	AATTTCCTAT	CATTGTGACT	ATCAAATTAA	ACCACAGGCA	150
GGAAGTTGCC	TTGAAAACTT	TTTATAGTGT	ATATTACTGT	TCACATAGAT	200
NAGCAATTAA	СТТТАСАТАТ	ACCCGTTTTT	AAAAGATCAG	TCCTGTGATT	250

AAAAGTCTGG	CTGCCCTAAT	TCACTTCGAT	TATACATTAG	GTTAAAGCCA	300
TATAAAAGAG	GCACTACGTC	TTCGGAGAGA	TGAATGGATA	TTACAAGCAG	350
TAATGTTGGC	TTTGGAATAT	ACACATAATG	TCCACTTGAC	CTCATCTATT	400
TGACACAAAA	TGTAAACTAA	ATTATGAGCA	TCATTAGATA	CCTTGGCCTT	450
TTCAAATCAC	ACAGGGTCCT	AGATCTNNNN	NNNNNNNNN	NNNNNNNNN	500
NNNNNNNNN	NNNNNNNN	NNNNNNNNN	NNNNNNNAC	TTTGGGATTC	550
CTATATCTTT	GTCAGCTGTC	AACTTCAGTG	TTTTCAGGTT	AAATTCTATC	600
CATAGTCATC	CCAATATACC	TGCTTTAGAT	GATACAACCT	TCAAAAGATC	650
CGCTCTTCCT	CGTAAAAAGT	GGAG	SEQ ID NO: 8769		

[0399] The BLASTN program was used to compare the sequence to the UniGene and dbEST databases. No significant alignments were found in either. It was then searched against the nr database and only alignments to unnamed genomic DNA clones were found.

[0400] CAP2 was used to cluster a group of unknowns, including clone 486E11. The sequence for 486E11 was found to overlap others. These formed a contig of 1,010 residues, which is shown below:

GATACCACCA CCTAACCCTG CCAATTTCCT ATCATTGTGA CTATCAAATT AAACCACAGG CAGGAAGTTG CCTTGAAAAC TTTTTATAGT GTATATTACT GTTCACATAG ATNAGCAATT AACTTTACAT ATACCCGTTT TTAAAAAGATC AGTCCTGTGA TTAAAAAGTCT GGCTGCCCTA ATTCACTTCG ATTATACATT AGGTTAAAGC CATATAAAAG AGGCACTACG TCTTCGGAGA GATGAATGGA TATTACAAGC AGTAATTTTG GCTTTGGAAT ATACACATAA TGTCCACTTG ACCTCATCTA TTTGACACAA AATGTAAACT AAATTATGAG CATCATTAGA TACCTTGGGC CTTTTCAAAT CACACAGGGT CCTAGATCTG NNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNN	CGGACAGGTA	CCTAAAAGCA	GGCTGTGCAC	TAGGGACCTA	GTGACCTTAC	50
AAACCACAGG CAGGAAGTTG CCTTGAAAAC TTTTTATAGT GTATATTACT GTTCACATAG ATNAGCAATT AACTTTACAT ATACCCGTTT TTAAAAAGATC AGTCCTGTGA TTAAAAGTCT GGCTGCCCTA ATTCACTTCG ATTATACATT AGGTTAAAGC CATATAAAAG AGGCACTACG TCTTCGGAGA GATGAATGGA TATTACAAGC AGTAATTTTG GCTTTGGAAT ATACACATAA TGTCCACTTG ACCTCATCTA TTTGACACAA AATGTAAACT AAATTATGAG CATCATTAGA TACCTTGGGC CTTTTCAAAT CACACAGGGT CCTAGATCTG NNNNNNNNN NNNNNNNNNN NNNNNNNNN NNNNNNNN	TAGAAAAAC	TCAAATTCTC	TGAGCCACAA	GTCCTCATGG	GCAAAATGTA	100
GTTCACATAG ATNAGCAATT AACTTTACAT ATACCCGTTT TTAAAAGATC AGTCCTGTGA TTAAAAAGTCT GGCTGCCCTA ATTCACTTCG ATTATACATT AGGTTAAAAGC CATATAAAAG AGGCACTACG TCTTCGGAGA GATGAATGGA ACTCATCTA TTTGACACAA AATGTAAACT AAATTATGAG CATCATTAGA AATGTAAACT AAATTATGAG CATCATTAGA AATGTAAACT AAATTATGAG CATCATTAGA ATACCTTGGGC CTTTTCAAAT CACACAGGGT CCTAGATCTG NNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNN	GATACCACCA	CCTAACCCTG	CCAATTTCCT	ATCATTGTGA	CTATCAAATT	150
AGTCCTGTGA TTAAAAGTCT GGCTGCCCTA ATTCACTTCG ATTATACATT AGGTTAAAGC CATATAAAAG AGGCACTACG TCTTCGGAGA GATGAATGGA ACCTCATCTA TTTGACACAA AATGTAAACT AAATTATGAG CATCATTAGA ACCTCATCTA TTTGACACAA AATGTAAACT AAATTATGAG CATCATTAGA ATACCTTGGGC CTTTTCAAAT CACACAGGGT CCTAGATCTG NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNN	AAACCACAGG	CAGGAAGTTG	CCTTGAAAAC	TTTTTATAGT	GTATATTACT	200
AGGTTAAAGC CATATAAAAG AGGCACTACG TCTTCGGAGA GATGAATGGA ATATTACAAGC AGTAATTTTG GCTTTGGAAT ATACACATAA TGTCCACTTG ACCTCATCTA TTTGACACAA AATGTAAACT AAATTATGAG CATCATTAGA ATACCTTGGGC CTTTTCAAAT CACACAGGGT CCTAGATCTG NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNN	GTTCACATAG	ATNAGCAATT	AACTTTACAT	ATACCCGTTT	TTAAAAGATC	250
TATTACAAGC AGTAATTTTG GCTTTGGAAT ATACACATAA TGTCCACTTG ACCTCATCTA TTTGACACAA AATGTAAACT AAATTATGAG CATCATTAGA TACCTTGGGC CTTTTCAAAT CACACAGGGT CCTAGATCTG NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNN	AGTCCTGTGA	TTAAAAGTCT	GGCTGCCCTA	ATTCACTTCG	ATTATACATT	300
ACCTCATCTA TTTGACACAA AATGTAAACT AAATTATGAG CATCATTAGA A TACCTTGGGC CTTTTCAAAT CACACAGGGT CCTAGATCTG NNNNNNNNNN S NNNNNNNNNN NNNNNNNNN NNNNNNNN	AGGTTAAAGC	CATATAAAAG	AGGCACTACG	TCTTCGGAGA	GATGAATGGA	350
TACCTTGGGC CTTTTCAAAT CACACAGGGT CCTAGATCTG NNNNNNNNNN S NNNNNNNNNN NNNNNNNNN NNNNNNNN	TATTACAAGC	AGTAATTTTG	GCTTTGGAAT	ATACACATAA	TGTCCACTTG	400
NNNNNNNNN NNNNNNNNN NNNNNNNNN NNNNNNNN	ACCTCATCTA	TTTGACACAA	AATGTAAACT	AAATTATGAG	CATCATTAGA	450
NACTTTGGAT TCTTATATCT TTGTCAGCTG TCAACTTCAG TGTTTTCAGG ON TAAATTCTA TCCATAGTCA TCCCAATATA CCTGCTTTAG ATGATACAAA CCTTCAAAAAGA TCCGGCTCTC CCTCGTAAAA CGTGGAGGAC AGACATCAAG GGGGTTTTCT GAGTAAAAGAA AGGCAACCGC TCGGCAAAAA CTCACCCTGG	TACCTTGGGC	CTTTTCAAAT	CACACAGGGT	CCTAGATCTG	NNNNNNNNN	500
NTAAATTCTA TCCATAGTCA TCCCAATATA CCTGCTTTAG ATGATACAAA CTTCAAAAAGA TCCGGCTCTC CCTCGTAAAA CGTGGAGGAC AGACATCAAG GGGGTTTTCT GAGTAAAGAA AGGCAACCGC TCGGCAAAAA CTCACCCTGG	NNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	NNNNNNNNN	550
CTTCAAAAGA TCCGGCTCTC CCTCGTAAAA CGTGGAGGAC AGACATCAAG GGGGTTTTCT GAGTAAAGAA AGGCAACCGC TCGGCAAAAA CTCACCCTGG	NACTTTGGAT	TCTTATATCT	TTGTCAGCTG	TCAACTTCAG	TGTTTTCAGG	600
GGGGTTTTCT GAGTAAAGAA AGGCAACCGC TCGGCAAAAA CTCACCCTGG	NTAAATTCTA	TCCATAGTCA	TCCCAATATA	CCTGCTTTAG	ATGATACAAA	650
	CTTCAAAAGA	TCCGGCTCTC	CCTCGTAAAA	CGTGGAGGAC	AGACATCAAG	700
CACAACAGGA NCGAATATAT ACAGACGCTG ATTGAGCGTT TTGCTCCATC	GGGGTTTTCT	GAGTAAAGAA	AGGCAACCGC	TCGGCAAAAA	CTCACCCTGG	750
	CACAACAGGA	NCGAATATAT	ACAGACGCTG	ATTGAGCGTT	TTGCTCCATC	800

TTCACTTCTG	TTAAATGAAG	ACATTGATAT	CTAAAATGCT	ATGAGTCTAA	850
CTTTGTAAAA	TTAAAATAGA	TTTGTAGTTA	TTTTTCAAAA	TGAAATCGAA	900
AAGATACAAG	TTTTGAAGGC	AGTCTCTTTT	TCCACCCTGC	CCCTCTAGTG	950
TGTTTTACAC	ACTTCTCTGG	CCACTCCAAC	AGGGAAGCTG	GTCCAGGGCC	1000
ATTATACAGG	SEQ ID NO: 8832				

[0401] The sequence of the CAP2 contig was used in a BLAST search of the human genome. 934 out of 1,010 residues aligned to a region of chromosome 21. A gap of 61 residues divided the aligned region into two smaller fragments. The sequence of this region, plus 100 kilobases on each side of it, was downloaded and analyzed using the Genscan site at MIT (http://genes.mit.edu/GENSCAN.html), with the following settings:

[0402] Organism: vertebrate

[0403] Suboptimal exon cutoff: 1.00 (no suboptimal exons)

[0404] Print options: Predicted CDS and peptides

[0405] The fragment was found to fall within one of several predicted genes in the chromosome region. The bases corresponding to the predicted gene, including its predicted introns, were saved as a separate file and used to search GenBank again with BLASTN to find any ESTs or UniGene clusters identified by portions of the sequence not included in the original unknown fragment. The nr database contained no significant matches. At least 100 significant matches to various parts of the predicted gene were found in the dbEST database, but all of them were to unnamed cDNA clones. Comparison to UniGene produced fewer significant matches, but all matches were to unnamed cDNAs.

The peptide sequence predicted by Genscan was also saved. Multiple types of analyses were performed on it using the resources mentioned in Table 3.

BLASTP and TBLASTN were used to search the TrEMBL protein database (http://www.expasy.ch/sprot/) and the GenBank nr database (http://www.ncbi.nlm.hih.gov/BLAST/), which includes data from the SwissProt, PIR, PRF, and PDB databases. No significant matches were found in any of these, so no gene identity or tertiary structure was discovered.

[0407] The peptide sequence was also searched for similarity to known domains and motifs using BLASTP with the Prosite, Blocks, Pfam, and ProDom databases. The

searches produced no significant alignments to known domains. BLASTP comparison to the PRINTS database produced an alignment to the P450 protein family, but with a low probability of accuracy (e=6.9).

[0408] Two methods were used to predict secondary structure – the Garnier/Osguthorpe/Robson model and the Chou-Fasman model. The two methods differed somewhat in their results, but both produced representations of the peptide sequence with helical and sheet regions and locations of turns.

[0409] Antigenicity was plotted as a graph with amino acid number in the sequence on the x-axis and hydrophilicity on the y-axis. Several areas of antigenicity were observed, but only one with antigenicity greater than 2. Hydrophobicity was plotted in the same way. Only one region, from approximately residue 135 to residue 150, had notable hydrophobicity. TMpred, accessed through ExPASy, was used to predict transmembrane helices. No regions of the peptide sequence were predicted with reasonable confidence to be membrane-spanning helices.

[0410] NNPSL predicted that the putative protein would be found either in the nucleus (expected prediction accuracy = 51.1%) or secreted from the cell (expected prediction accuracy = 91.4%).

Example 7: Preparation of a leukocyte cDNA array comprising a candidate gene

library

[0411] Candidate genes and gene sequences for leukocyte expression profiling were identified through methods described elsewhere in this document. Candidate genes are used to obtain or design probes for peripheral leukocyte expression profiling in a variety of ways.

[0412] A cDNA microarray carrying 384 probes was constructed using sequences selected from the cDNA libraries described in example 1. cDNAs were selected from T-cell libraries, PBMC libraries and buffy coat libraries. A listing of the cDNA fragments used is given in Table 8.

96-Well PCR

[0413] Plasmids were isolated in 96-well format and PCR was performed in 96-well format. A master mix was made that contain the reaction buffer, dNTPs, forward

and reverse primer and DNA polymerase was made. 99 ul of the master mix was aliquoted into 96-well plate. 1 ul of plasmid (1-2 ng/ul) of plasmid was added to the plate. The final reaction concentration was 10 mM Tris pH 8.3, 3.5 mM MgCl2, 25 mM KCl, 0.4 mM dNTPs, 0.4 uM M13 forward primer, 0.4 M13 reverse primer, and 10 U of Taq Gold (Applied Biosystems). The PCR conditions were:

Step 1 95C for 10 min

Step 2 95C for 15 sec

Step 3 56C for 30 sec

Step 4 72C for 2 min 15 seconds

Step 5 go to Step 2 39 times

Step 6 72C for 10 minutes

Step 7 4C for ever.

PCR Purification

[0414] PCR purification was done in a 96-well format. The ArrayIt (Telechem International, Inc.) PCR purification kit was used and the provided protocol was followed without modification. Before the sample was evaporated to dryness, the concentration of PCR products was determined using a spectrophotometer. After evaporation, the samples were re-suspended in 1x Micro Spotting Solution (ArrayIt) so that the majority of the samples were between 0.2-1.0 ug/ul.

Array Fabrication

[0415] Spotted cDNA microarrays were then made from these PCR products by ArrayIt using their protocols (http://arrayit.com/Custom_Microarrays/Flex-Chips/flex-chips.html). Each fragment was spotted 3 times onto each array.

[0416] Candidate genes and gene sequences for leukocyte expression profiling were identified through methods described elsewhere in this document. Those candidate genes are used for peripheral leukocyte expression profiling. The candidate libraries can used to obtain or design probes for expression profiling in a variety of ways.

[0417] Oligonucleotide probes are also prepared using the DNA sequence information for the candidate genes identified by differential hybridization screening (listed in Table 3 and the sequence listing) and/or the sequence information for the genes

identified by database mining (listed in Table 2) is used to design complimentary oligonucleotide probes. Oligo probes are designed on a contract basis by various companies (for example, Compugen, Mergen, Affymetrix, Telechem), or designed from the candidate sequences using a variety of parameters and algorithms as indicated at http://www.genome.wi.mit.edu/cgi-bin/primer/primer3.cgi. Briefly, the length of the oligonucleotide to be synthesized is determined, preferably greater than 18 nucleotides, generally 18-24 nucleotides, 24-70 nucleotides and, in some circumstances, more than 70 nucleotides. The sequence analysis algorithms and tools described above are applied to the sequences to mask repetitive elements, vector sequences and low complexity sequences. Oligonucleotides are selected that are specific to the candidate nucleotide sequence (based on a Blast n search of the oligonucleotide sequence in question against gene sequences databases, such as the Human Genome Sequence, UniGene, dbEST or the non-redundant database at NCBI), and have <50% G content and 25–70% G+C content. Desired oligonucleotides are synthesized using well-known methods and apparatus, or ordered from a company (for example Sigma). Oligonucleotides are spotted onto microarrays. Alternatively, oligonucleotides are synthesized directly on the array surface, using a variety of techniques (Hughes et al. 2001, Yershov et al. 1996, Lockhart et al 1996).

Example 8: Preparation of RNA from mononuclear cells for expression profiling

[0418] Blood was isolated from the subject for leukocyte expression profiling using the following methods:

[0419] Two tubes were drawn per patient. Blood was drawn from either a standard peripheral venous blood draw or directly from a large-bore intra-arterial or intravenous catheter inserted in the femoral artery, femoral vein, subclavian vein or internal jugular vein. Care was taken to avoid sample contamination with heparin from the intravascular catheters, as heparin can interfere with subsequent RNA reactions.

[0420] For each tube, 8 ml of whole blood was drawn into a tube (CPT, Becton-Dickinson order #362753) containing the anticoagulant Citrate, 25°C density gradient solution (e.g. Ficoll, Percoll) and a polyester gel barrier that upon centrifugation was permeable to RBCs and granulocytes but not to mononuclear cells. The tube was inverted several times to mix the blood with the anticoagulant. The tubes were

centrifuged at 1750xg in a swing-out rotor at room temperature for 20 minutes. The tubes were removed from the centrifuge and inverted 5-10 times to mix the plasma with the mononuclear cells, while trapping the RBCs and the granulocytes beneath the gel barrier. The plasma/mononuclear cell mix was decanted into a 15ml tube and 5ml of phosphate-buffered saline (PBS) is added. The 15ml tubes were spun for 5 minutes at 1750xg to pellet the cells. The supernatant was discarded and 1.8 ml of RLT lysis buffer is added to the mononuclear cell pellet. The buffer and cells were pipetted up and down to ensure complete lysis of the pellet. The cell lysate was frozen and stored until it is convenient to proceed with isolation of total RNA.

[0421] Total RNA was purified from the lysed mononuclear cells using the Qiagen Rneasy Miniprep kit, as directed by the manufacturer (10/99 version) for total RNA isolation, including homogenization (Qiashredder columns) and on-column DNase treatment. The purified RNA was eluted in 50ul of water. The further use of RNA prepared by this method is described in Example 11, 24, and 23.

[0422] Some samples were prepared by a different protocol, as follows:

Two 8 ml blood samples were drawn from a peripheral vein into a tube [0423] (CPT, Becton-Dickinson order #362753) containing anticoagulant (Citrate), 25°C density gradient solution (Ficoll) and a polyester gel barrier that upon centrifugation is permeable to RBCs and granulocytes but not to mononuclear cells. The mononuclear cells and plasma remained above the barrier while the RBCs and granulocytes were trapped below. The tube was inverted several times to mix the blood with the anticoagulant, and the tubes were subjected to centrifugation at 1750xg in a swing-out rotor at room temperature for 20 min. The tubes were removed from the centrifuge, and the clear plasma layer above the cloudy mononuclear cell layer was aspirated and discarded. The cloudy mononuclear cell layer was aspirated, with care taken to rinse all of the mononuclear cells from the surface of the gel barrier with PBS (phosphate buffered saline). Approximately 2 mls of mononuclear cell suspension was transferred to a 2ml microcentrifuge tube, and centrifuged for 3min. at 16,000 rpm in a microcentrifuge to pellet the cells. The supernatant was discarded and 1.8 ml of RLT lysis buffer (Qiagen) were added to the mononuclear cell pellet, which lysed the cells and inactivated Rnases. The cells and lysis buffer were pipetted up and down to ensure complete lysis of the

pellet. Cell lysate was frozen and stored until it was convenient to proceed with isolation of total RNA.

[0424] RNA samples were isolated from 8 mL of whole blood. Yields ranged from 2 ug to 20ug total RNA for 8mL blood. A260/A280 spectrophotometric ratios were between 1.6 and 2.0, indicating purity of sample. 2ul of each sample were run on an agarose gel in the presence of ethidium bromide. No degradation of the RNA sample and no DNA contamination was visible.

Example 9: Preparation of Buffy Coat Control RNA for use in leukocyte expression profiling

[0425] Control RNA was prepared using total RNA from Buffy coats and/or total RNA from enriched mononuclear cells isolated from Buffy coats, both with and without stimulation with ionomycin and PMA. The following control RNAs were prepared:

[0426] Control 1: Buffy Coat Total RNA

[0427] Control 2: Mononuclear cell Total RNA

[0428] Control 3: Stimulated buffy coat Total RNA

[0429] Control 4: Stimulated mononuclear Total RNA

[0430] Control 5: 50% Buffy coat Total RNA / 50% Stimulated buffy coat Total

RNA

[0431] Control 6: 50% Mononuclear cell Total RNA / 50% Stimulated

Mononuclear Total RNA

Some samples were prepared using the following protocol: Buffy coats from 38 individuals were obtained from Stanford Blood Center. Each buffy coat is derived from ~350 mL whole blood from one individual. 10 ml buffy coat was removed from the bag, and placed into a 50 ml tube. 40 ml of Buffer EL (Qiagen) was added, the tube was mixed and placed on ice for 15 minutes, then cells were pelleted by centrifugation at 2000xg for 10 minutes at 4°C. The supernatant was decanted and the cell pellet was re-suspended in 10 ml of Qiagen Buffer EL. The tube was then centrifuged at 2000xg for 10 minutes at 4°C. The cell pellet was then re-suspended in 20 ml TRIZOL (GibcoBRL) per Buffy coat sample, the mixture was shredded using a rotary homogenizer, and the lysate was then frozen at ~80°C prior to proceeding to RNA isolation.

[0433] Other control RNAs were prepared from enriched mononuclear cells prepared from Buffy coats. Buffy coats from Stanford Blood Center were obtained, as described above. 10 ml buffy coat was added to a 50 ml polypropylene tube, and 10 ml of phosphate buffer saline (PBS) was added to each tube. A polysucrose (5.7 g/dL) and sodium diatrizoate (9.0 g/dL) solution at a 1.077 +/-0.0001 g/ml density solution of equal volume to diluted sample was prepared (Histopaque 1077, Sigma cat. no 1077-1). This and all subsequent steps were performed at room temperature. 15 ml of diluted buffy coat/PBS was layered on top of 15 ml of the histopaque solution in a 50 ml tube. The tube was centrifuged at 400xg for 30 minutes at room temperature. After centrifugation, the upper layer of the solution to within 0.5 cm of the opaque interface containing the mononuclear cells was discarded. The opaque interface was transferred into a clean centrifuge tube. An equal volume of PBS was added to each tube and centrifuged at 350xg for 10 minutes at room temperature. The supernatant was discarded. 5 ml of Buffer EL (Qiagen) was used to resuspend the remaining cell pellet and the tube was centrifuged at 2000xg for 10 minutes at room temperature. The supernatant was discarded. The pellet was resuspended in 20 ml of TRIZOL (GibcoBRL) for each individual buffy coat that was processed. The sample was homogenized using a rotary homogenizer and frozen at -80C until RNA was isolated.

[0434] RNA was isolated from frozen lysed Buffy coat samples as follows: frozen samples were thawed, and 4 ml of chloroform was added to each buffy coat sample. The sample was mixed by vortexing and centrifuged at 2000xg for 5 minutes. The aqueous layer was moved to new tube and then repurified by using the RNeasy Maxi RNA clean up kit, according to the manufacturer's instruction (Qiagen, PN 75162). The yield, purity and integrity were assessed by spectrophotometer and gel electrophoresis.

[0435] Some samples were prepared by a different protocol, as follows. The further use of RNA prepared using this protocol is described in Example 11.

[0436] 50 whole blood samples were randomly selected from consented blood donors at the Stanford Medical School Blood Center. Each buffy coat sample was produced from ~350 mL of an individual's donated blood. The whole blood sample was centrifuged at ~4,400 x g for 8 minutes at room temperature, resulting in three distinct layers: a top layer of plasma, a second layer of buffy coat, and a third layer of red blood

cells. 25 ml of the buffy coat fraction was obtained and diluted with an equal volume of PBS (phosphate buffered saline). 30 ml of diluted buffy coat was layered onto 15 ml of sodium diatrizoate solution adjusted to a density of 1.077+/-0.001 g/ml (Histopaque 1077, Sigma) in a 50mL plastic tube. The tube was spun at 800 g for 10 minutes at room temperature. The plasma layer was removed to the 30 ml mark on the tube, and the mononuclear cell layer removed into a new tube and washed with an equal volume of PBS, and collected by centrifugation at 2000 g for 10 minutes at room temperature. The cell pellet was resuspended in 10 ml of Buffer EL (Qiagen) by vortexing and incubated on ice for 10 minutes to remove any remaining erthythrocytes. The mononuclear cells were spun at 2000 g for 10 minutes at 4 degrees Celsius. The cell pellet was lysed in 25 ml of a phenol/guanidinium thiocyanate solution (TRIZOL Reagent, Invitrogen). The sample was homogenized using a PowerGene 5 rotary homogenizer (Fisher Scientific) and Omini disposable generator probes (Fisher Scientific). The Trizol lysate was frozen at -80 degrees C until the next step.

The samples were thawed out and incubated at room temperature for 5 minutes. 5 ml chloroform was added to each sample, mixed by vortexing, and incubated at room temperature for 3 minutes. The aqueous layers were transferred to new 50 ml tubes. The aqueous layer containing total RNA was further purified using the Qiagen RNeasy Maxi kit (PN 75162), per the manufacturer's protocol (October 1999). The columns were eluted twice with 1 ml Rnase-free water, with a minute incubation before each spin. Quantity and quality of RNA was assessed using standard methods. Generally, RNA was isolated from batches of 10 buffy coats at a time, with an average yield per buffy coat of 870 μg, and an estimated total yield of 43.5 mg total RNA with a 260/280 ratio of 1.56 and a 28S/18S ratio of 1.78.

[0438] Quality of the RNA was tested using the Agilent 2100 Bioanalyzer using RNA 6000 microfluidics chips. Analysis of the electrophorgrams from the Bioanalyzer for five different batches demonstrated the reproducibility in quality between the batches.

[0439] Total RNA from all five batches were combined and mixed in a 50 ml tube, then aliquoted as follows: 2×10 ml aliquots in 15 ml tubes, and the rest in $100 \mu l$ aliquots in 1.5 ml microcentrifuge tubes. The aliquots gave highly reproducible results with respect to RNA purity, size and integrity. The RNA was stored at -80° C.

Test hybridization of Reference RNA

[0440] The reference RNA (hereinafter, "R50") was hybridized to a spotted cDNA array (prepared as described in Example 10). There are a total of 1152 features on the array: 384 clones printed in triplicate. The R50 targets were fluorescently labeled with Cy-5 using methods described herein. In five array hybridizations, the reference RNA detected 94% of probes on the array with a Signal to Noise ratio of greater than three. 99% of probes on the array were detected with a signal to noise ratio of greater than one. Figure 8 shows one array hybridization. The probes are ordered from high to low in signal to noise ratio, and the log of median and the log of the background were plotted for each probe.

Example 10. RNA Labeling and hybridization to a leukocyte cDNA array of candidate nucleotide sequences.

Comparison of Guanine-Silica to Acid-Phenol RNA Purification (GSvsAP)

These data are from a set of 12 hybridizations designed to identify differences between the signal strength from two different RNA purification methods. The two RNA methods used were guanidine-silica (GS, Qiagen) and acid-phenol (AP, Trizol, Gibco BRL). Ten tubes of blood were drawn from each of four people. Two were used for the AP prep, the other eight were used for the GS prep. The protocols for the leukocyte RNA preps using the AP and GS techniques were completed as described here:

Guanidine-silica (GS) method:

[0442] For each tube, 8ml blood was drawn into a tube containing the anticoagulant Citrate, 25°C density gradient solution and a polyester gel barrier that upon centrifugation is permeable to RBCs and granulocytes but not to mononuclear cells. The mononuclear cells and plasma remained above the barrier while the RBCs and granulocytes were trapped below. CPT tubes from Becton-Dickinson (#362753) were used for this purpose. The tube was inverted several times to mix the blood with the anticoagulant. The tubes were immediately centrifuged @1750xg in a swinging bucket rotor at room temperature for 20 min. The tubes were removed from the centrifuge and inverted 5-10 times. This mixed the plasma with the mononuclear cells, while the RBCs and the granulocytes remained trapped beneath the gel barrier. The plasma/mononuclear

cell mix was decanted into a 15ml tube and 5ml of phosphate-buffered saline (PBS) was added. The 15ml tubes are spun for 5 minutes at 1750xg to pellet the cells. The supernatant was discarded and 1.8 ml of RLT lysis buffer (guanidine isothyocyanate) was added to the mononuclear cell pellet. The buffer and cells were pipetted up and down to ensure complete lysis of the pellet. The cell lysate was then processed exactly as described in the Qiagen Rneasy Miniprep kit protocol (10/99 version) for total RNA isolation (including steps for homogenization (Qiashredder columns) and on-column DNase treatment. The purified RNA was eluted in 50ul of water.

Acid-phenol (AP) method:

[0443] For each tube, 8ml blood was drawn into a tube containing the anticoagulant Citrate, 25°C density gradient solution and a polyester gel barrier that upon centrifugation is permeable to RBCs and granulocytes but not to mononuclear cells. The mononuclear cells and plasma remained above the barrier while the RBCs and granulocytes were trapped below. CPT tubes from Becton-Dickinson (#362753) were used for this purpose. The tube was inverted several times to mix the blood with the anticoagulant. The tubes were immediately centrifuged @1750xg in a swinging bucket rotor at room temperature for 20 min. The tubes were removed from the centrifuge and inverted 5-10 times. This mixed the plasma with the mononuclear cells, while the RBCs and the granulocytes remained trapped beneath the gel barrier. The plasma/mononuclear cell mix was decanted into a 15ml tube and 5ml of phosphate-buffered saline (PBS) was added. The 15ml tubes are spun for 5 minutes @1750xg to pellet the cells. The supernatant was discarded and the cell pellet was lysed using 0.6 mL Phenol/guanidine isothyocyanate (e.g. Trizol reagent, GibcoBRL). Subsequent total RNA isolation proceeded using the manufacturers protocol.

[0444] RNA from each person was labeled with either Cy3 or Cy5, and then hybridized in pairs to the mini-array. For instance, the first array was hybridized with GS RNA from one person (Cy3) and GS RNA from a second person (Cy5).

[0445] Techniques for labeling and hybridization for all experiments discussed here were completed as detailed above in example 10. Arrays were prepared as described in example 7.

[0446] RNA isolated from subject samples, or control Buffy coat RNA, were labeled for hybridization to a cDNA array. Total RNA (up to $100~\mu B$) was combined with $2~\mu l$ of $100~\mu M$ solution of an Oligo (dT)12-18 (GibcoBRL) and heated to $70^{\circ}C$ for 10 minutes and place on ice. Reaction buffer was added to the tube, to a final concentration of 1xRT buffer (GibcoBRL), 10~mM DTT (GibcoBRL), 0.1~mM unlabeled dATP, dTTP, and dGTP, and 0.025~mM unlabeled dCTP, 200~pg of CAB (A. thaliana photosystem I chlorophyll a/b binding protein), 200~pg of RCA (A. thaliana RUBISCO activase), 0.25~mM of Cy-3 or Cy-5 dCTP, and 400~U Superscript II RT (GibcoBRL).

The volumes of each component of the labeling reaction were as follows: 20 μl of 5xRT buffer; 10 μl of 100 mM DTT; 1 μl of 10 mM dNTPs without dCTP; 0.5 μl of 5 mM CTP; 13 μl of H20; 0.02 μl of 10 ng/μl CAB and RCA; 1 μl of 40 Units/μl RNAseOUT Recombinatnt Ribonuclease Inhibitor (GibcoBRL); 2.5 μl of 1.0 mM Cy-3 or Cy-5 dCTP; and 2.0 μl of 200 Units/μl of Superscript II RT. The sample was vortexed and centrifuged. The sample was incubated at 4°C for 1 hour for first strand cDNA synthesis, then heated at 70°C for 10 minutes to quench enzymatic activity. 1 μl of 10 mg/ml of Rnase A was added to degrade the RNA strand, and the sample was incubated at 37°C for 30 minutes.

[0448] Next, the Cy-3 and Cy-5 cDNA samples were combined into one tube. Unincorporated nucleotides were removed using QIAquick RCR purification protocol (Qiagen), as directed by the manufacturer. The sample was evaporated to dryness and resuspended in 5 μl of water. The sample was mixed with hybridization buffer containing 5xSSC, 0.2% SDS, 2 mg/ml Cot-1 DNA (GibcoBRL), 1 mg/ml yeast tRNA (GibcoBRL), and 1.6 ng/μl poly dA40-60 (Pharmacia). This mixture was placed on the microarray surface and a glass cover slip was placed on the array (Corning). The microarray glass slide was placed into a hybridization chamber (ArrrayIt). The chamber was then submerged in a water bath overnight at 62° C. The microarray was removed from the cassette and the cover slip was removed by repeatedly submerging it to a wash buffer containing 1xSSC, and 0.1% SDS. The microarray slide was washed in 1xSSC/0.1% SDS for 5 minutes. The slide was then washed in 0.1%SSC/0.1% SDS for 5 minutes. The slide was finally washed in 0.1xSSC for 2 minutes. The slide was spun

at 1000 rpm for 2 minutes to dry out the slide, then scanned on a microarray scanner (Axon Instruments, Union City, CA.).

[0449] Six hybridizations with 20 μg of RNA were performed for each type of RNA preparation (GS or AP). Since both the Cy3 and the Cy5 labeled RNA are from test preparations, there are six data points for each GS prepped, Cy3-labeled RNA and six for each GS-prepped, Cy5-labeled RNA. The mini array hybridizations were scanned on and Axon Instruments scanner using GenPix 3.0 software. The data presented were derived as follows. First, all features flagged as "not found" by the software were removed from the dataset for individual hybridizations. These features are usually due to high local background or other processing artifacts. Second, the median fluorescence intensity minus the background fluorescence intensity was used to calculate the mean background subtracted signal for each dye for each hybridization. In Figure 4, the mean of these means across all six hybridizations is graphed (n=6 for each column). The error bars are the SEM. This experiment shows that the average signal from AP prepared RNA is 47% of the average signal from GS prepared RNA for both Cy3 and Cy5.

Generation of expression data for leukocyte genes from peripheral leukocyte samples

[0450] Six hybridizations were performed with RNA purified from human blood leukocytes using the protocols given above. Four of the six were prepared using the GS method and 2 were prepared using the AP method. Each preparation of leukocyte RNA was labeled with Cy3 and 10 µg hybridized to the mini-array. A control RNA was batch labeled with Cy5 and 10 µg hybridized to each mini-array together with the Cy3-labeled experimental RNA.

[0451] The control RNA used for these experiments was Control 1: Buffy Coat RNA, as described above. The protocol for the preparation of that RNA is reproduced here:

Buffy Coat RNA Isolation:

[0452] Buffy coats were obtained from Stanford Blood Center (in total 38 individual buffy coats were used. Each buffy coat is derived from ~350 mL whole blood from one individual. 10 ml buffy coat was taken and placed into a 50 ml tube and 40 ml of a hypoclorous acid (HOCl) solution (Buffer EL from Qiagen) was added. The tube

was mixed and placed on ice for 15 minutes. The tube was then centrifuged at 2000xg for 10 minutes at 4°C. The supernatant was decanted and the cell pellet was resuspended in 10 ml of hypochlorous acid solution (Qiagen Buffer EL). The tube was then centrifuged at 2000xg for 10 minutes at 4°C. The cell pellet was then re-suspended in 20 ml phenol/guanidine thiocyanate solution (TRIZOL from GibcoBRL) for each individual buffy coat that was processed. The mixture was then shredded using a rotary homogenizer. The lysate was then frozen at -80°C prior to proceeding to RNA isolation.

[0453] The arrays were then scanned and analyzed on an Axon Instruments scanner using GenePix 3.0 software. The data presented were derived as follows. First, all features flagged as "not found" by the software were removed from the dataset for individual hybridizations. Second, control features were used to normalize the data for labeling and hybridization variability within the experiment. The control features are cDNA for genes from the plant, $Arabidopsis\ thaliana$, that were included when spotting the mini-array. Equal amounts of RNA complementary to two of these cDNAs were added to each of the samples before they were labeled. A third was pre-labeled and equal amounts were added to each hybridization solution before hybridization. Using the signal from these genes, we derived a normalization constant (L_j) according to the following formula:

$$L_{j} = \frac{\sum_{i=1}^{N} BGSS_{j,i}}{N}$$

$$= \frac{\sum_{j=1}^{K} \sum_{i=1}^{N} BGSS_{j,i}}{N}$$

$$= \frac{N}{K}$$

where $BGSS_i$ is the signal for a specific feature as identified in the GenePix software as the median background subtracted signal for that feature, N is the number of A. thaliana control features, K is the number of hybridizations, and L is the normalization constant for each individual hybridization.

[0454] Using the formula above, the mean over all control features of a particular hybridization and dye (eg Cy3) was calculated. Then these control feature means for all Cy3 hybridizations were averaged. The control feature mean in one hybridization divided by the average of all hybridizations gives a normalization constant for that particular Cy3 hybridization.

[0455] The same normalization steps were performed for Cy3 and Cy5 values, both fluorescence and background. Once normalized, the background Cy3 fluorescence was subtracted from the Cy3 fluorescence for each feature. Values less than 100 were eliminated from further calculations since low values caused spurious results.

[0456] Figure 5 shows the average background subtracted signal for each of nine leukocyte-specific genes on the mini array. This average is for 3-6 of the above-described hybridizations for each gene. The error bars are the SEM. Figure 3: The ratio of Cy3 to Cy5 signal is shown for a number of genes. This ratio corrects for variability among hybridizations and allows comparison between experiments done at different times. The ratio is calculated as the Cy3 background subtracted signal divided by the Cy5 background subtracted signal. Each bar is the average for 3-6 hybridizations. The error bars are SEM.

Together, these results show that we can measure expression levels for genes that are expressed specifically in sub-populations of leukocytes. These expression measurements were made with only 10 μg of leukocyte total RNA that was labeled directly by reverse transcription. The signal strength can be increased by improved labeling techniques that amplify either the starting RNA or the signal fluorescence. In addition, scanning techniques with higher sensitivity can be used.

Genes in Figures 5 and 6:

	GenBank	Gene Name
Gene Name/Description	Accession Number	Abbreviation
T cell-specific tyrosine kinase Mrna	L10717	TKTCS
Interleukin 1 alpha (IL 1) mRNA, complete cds	NM_000575	IL1A
T-cell surface antigen CD2 (T11) mRNA, complete cds	M14362	CD2

Interleukin-13 (IL-13) precursor gene, complete cds	U31120	IL-13
Thymocyte antigen CD1a mRNA, complete cds	M28825	CD1a
CD6 mRNA for T cell glycoprotein CDS	NM_006725	CD6
MHC class II HLA-DQA1 mRNA, complete cds	U77589	HLA-DQA1
Granulocyte colony-stimulating factor	M28170	CD19
Homo sapiens CD69 antigen	NM_001781	CD69

Example 11: Identification of diagnostic gene sets useful in diagnosis and treatment of Cardiac allograft rejection

[0458] An observational study was conducted in which a prospective cohort of cardiac transplant recipients were analyzed for associations between clinical events or rejection grades and expression of a leukocyte candidate nucleotide sequence library. Patients were identified at 4 cardiac transplantation centers while on the transplant waiting list or during their routing post-transplant care. All adult cardiac transplant recipients (new or re-transplants) who received an organ at the study center during the study period or within 3 months of the start of the study period were eligible. The first year after transplantation is the time when most acute rejection occurs and it is thus important to study patients during this period. Patients provided informed consent prior to study procedures.

[0459] Peripheral blood leukocyte samples were obtained from all patients at the following time points: prior to transplant surgery (when able), the same day as routinely scheduled screening biopsies, upon evaluation for suspected acute rejection (urgent biopsies), on hospitalization for an acute complication of transplantation or immunosuppression, and when Cytomegalovirus (CMV) infection was suspected or confirmed. Samples were obtained through a standard peripheral vein blood draw or through a catheter placed for patient care (for example, a central venous catheter placed for endocardial biopsy). When blood was drawn from a intravenous line, care was taken to avoid obtaining heparin with the sample as it can interfere with downstream reactions

involving the RNA. Mononuclear cells were prepared from whole blood samples as described in Example 8. Samples were processed within 2 hours of the blood draw and DNA and serum were saved in addition to RNA. Samples were stored at -70° C or on dry ice and sent to the site of RNA preparation in a sealed container with ample dry ice. RNA was isolated from subject samples as described in Example 8 and hybridized to a candidate library of differentially expressed leukocyte nucleotide sequences, as further described in Examples 20-22. Methods used for amplification, labeling, hybridization and scanning are described in example 23. Analysis of human transplant patient mononuclear cell RNA hybridized to a microarray is shown in Example 24.

From each patient, clinical information was obtained at the following time [0460] points: prior to transplant surgery (when available), the same day as routinely scheduled screening biopsies, upon evaluation for suspected acute rejection (e.g., urgent biopsies), on hospitalization for an acute complication of transplantation or immunosuppression, and when Cytomegalovirus (CMV) infection was suspected or confirmed. Data was collected directly from the patient, from the patient's medical record, from diagnostic test reports or from computerized hospital databases. It was important to collect all information pertaining to the study clinical correlates (diagnoses and patient events and states to which expression data is correlated) and confounding variables (diagnoses and patient events and states that may result in altered leukocyte gene expression. Examples of clinical data collected are: patient sex, date of birth, date of transplant, race, requirement for prospective cross match, occurrence of pre-transplant diagnoses and complications, indication for transplantation, severity and type of heart disease, history of left ventricular assist devices, all known medical diagnoses, blood type, HLA type, viral serologies (including CMV, Hepatitis B and C, HIV and others), serum chemistries, white and red blood cell counts and differentials, CMV infections (clinical manifestations and methods of diagnosis), occurrence of new cancer, hemodynamic parameters measured by catheterization of the right or left heart (measures of graft function), results of echocardiography, results of coronary angiograms, results of intravascular ultrasound studies (diagnosis of transplant vasculopathy), medications, changes in medications, treatments for rejection, and medication levels. Information was also collected regarding the organ donor, including demographics, blood type, HLA type, results of screening

cultures, results of viral serologies, primary cause of brain death, the need for inotropic support, and the organ cold ischemia time.

[0461] Of great importance was the collection of the results of endocardial biopsy for each of the patients at each visit. Biopsy results were all interpreted and recorded using the international society for heart and lung transplantation (ISHLT) criteria, described below. Biopsy pathological grades were determined by experienced pathologists at each center. It is desirable to have a single centralized pathologist determine the grades when an analysis is done using samples from multiple medical centers.

ISHLT Criteria

Grade	Finding	Rejection
		Severity
0	No lymphocytic infiltrates	None
1A	Focal (perivascular or interstitial lymphocytic	Borderline
	infiltrates without necrosis)	mild
1B	Diffuse but sparse lymphocytic infiltrates without	Mild
	necrosis	
2	One focus only with aggressive lymphocytic infiltrate	Mild, focal
	and/or myocyte damage	moderate
3A	Multifocal aggressive lymphocytic infiltrates and/or	Moderate
	myocardial damage	
3B	Diffuse inflammatory lymphocytic infiltrates with	Borderline
	necrosis	Severe
4	Diffuse aggressive polymorphous lymphocytic	Severe
	infiltrates with edema hemorrhage and vasculitis, with	
	necrosis	

[0462] Clinical data was entered and stored in a database. The database was queried to identify all patients and patient visits that meet desired criteria (for example, patients with > grade II biopsy results, no CMV infection and time since transplant < 12 weeks).

[0463] The collected clinical data (disease criteria) is used to define patient or sample groups for correlation of expression data. Patient groups are identified for comparison, for example, a patient group that possesses a useful or interesting clinical distinction, versus a patient group that does not possess the distinction. Examples of useful and interesting patient distinctions that can be made on the basis of collected clinical data are listed here (and further described in Table 2):

[0464] 1. Rejection episode of at least moderate histologic grade, which results in treatment of the patient with additional corticosteroids, anti-T cell antibodies, or total lymphoid irradiation.

[0465] 2. Rejection with histologic grade 2 or higher.

[0466] 3. Rejection with histologic grade <2.

[0467] 4. The absence of histologic rejection <u>and</u> normal or unchanged allograft function (based on hemodynamic measurements from catheterization or on echocardiographic data).

[0468] 5. The presence of severe allograft dysfunction or worsening allograft dysfunction during the study period (based on hemodynamic measurements from catheterization or on echocardiographic data).

[0469] 6. Documented CMV infection by culture, histology, or PCR, and at least one clinical sign or symptom of infection.

[0470] 7. Specific graft biopsy rejection grades

[0471] 8. Rejection of mild to moderate histologic severity prompting augmentation of the patient's chronic immunosuppressive regimen

[0472] 9. Rejection of mild to moderate severity with allograft dysfunction prompting plasmaphoresis or a diagnosis of "humoral" rejection

[0473] 10. Infections other than CMV, esp. Epstein Barr virus (EBV)

[0474] 11. Lymphoproliferative disorder (also called, post-transplant lymphoma)

[0475] 12. Transplant vasculopathy diagnosed by increased intimal thickness on intravascular ultrasound (IVUS), angiography, or acute myocardial infarction.

[0476] 13. Graft Failure or Retransplantation

[0477] All cause mortality

[0478] Expression profiles of subject samples are examined to discover sets of nucleotide sequences with differential expression between patient groups, for example, by methods describes above and below.

[0479] Non-limiting examples of patient leukocyte samples to obtain for discovery of various diagnostic nucleotide sets are as follows:

- a. Leukocyte set to avoid biopsy or select for biopsy: Samples: Grade 0 vs. Grades 1-4
- b. Leukocyte set to monitor therapeutic response: Examine successful vs. unsuccessful drug treatment.

Samples:

Successful: Time 1: rejection, Time 2: drug therapy Time 3: no rejection Unsuccessful: Time 1: rejection, Time 2: drug therapy; Time 3: rejection

c. Leukocyte set to predict subsequent acute rejection. Biopsy may show no rejection, but the patient may develop rejection shortly thereafter. Look at profiles of patients who subsequently do and do not develop rejection.

Samples:

Group 1 (Subsequent rejection): Time 1: Grade 0; Time 2: Grade>0 Group 2 (No subsequent rejection): Time 1: Grade 0, ; Time 2: Grade 0

Focal rejection may be missed by biopsy. When this occurs the patient may have a Grade 0, but actually has rejection. These patients may go on to have damage to the graft etc.

Samples:

Non-rejectors: no rejection over some period of time Rejectors: an episode of rejection over same period

d. Leukocyte set to diagnose subsequent or current graft failure:

Samples:

Echocardiographic or catheterization data to define worsening function over time and correlate to profiles.

e. Leukocyte set to diagnose impending active CMV:

Samples:

Look at patients who are CMV IgG positive. Compare patients with subsequent (to a sample) clinical CMV infection verses no subsequent clinical CMV infection.

f. Leukocyte set to diagnose current active CMV:

Samples:

Analyze patients who are CMV IgG positive. Compare patients with active current clinical CMV infection vs. no active current CMV infection.

Upon identification of a nucleotide sequence or set of nucleotide [0480] sequences that distinguish patient groups with a high degree of accuracy, that nucleotide sequence or set of nucleotide sequences is validated, and implemented as a diagnostic test. The use of the test depends on the patient groups that are used to discover the nucleotide set. For example, if a set of nucleotide sequences is discovered that have collective expression behavior that reliably distinguishes patients with no histological rejection or graft dysfunction from all others, a diagnostic is developed that is used to screen patients for the need for biopsy. Patients identified as having no rejection do not need biopsy, while others are subjected to a biopsy to further define the extent of disease. In another example, a diagnostic nucleotide set that determines continuing graft rejection associated with myocyte necrosis (> grade I) is used to determine that a patient is not receiving adequate treatment under the current treatment regimen. After increased or altered immunosuppressive therapy, diagnostic profiling is conducted to determine whether continuing graft rejection is progressing. In yet another example, a diagnostic nucleotide set(s) that determine a patient's rejection status and diagnose cytomegalovirus infection is used to balance immunosuppressive and anti-viral therapy.

Example 12: Identification of diagnostic nucleotide sets for kidney and liver allograft rejection

[0481] Diagnostic tests for rejection are identified using patient leukocyte expression profiles to identify a molecular signature correlated with rejection of a transplanted kidney or liver. Blood, or other leukocyte source, samples are obtained from patients undergoing kidney or liver biopsy following liver or kidney transplantation, respectively. Such results reveal the histological grade, i.e., the state and severity of

allograft rejection. Expression profiles are obtained from the samples as described above, and the expression profile is correlated with biopsy results. In the case of kidney rejection, clinical data is collected corresponding to urine output, level of creatine clearance, and level of serum creatine (and other markers of renal function). Clinical data collected for monitoring liver transplant rejection includes, biochemical characterization of serum markers of liver damage and function such as SGOT, SGPT, Alkaline phosphatase, GGT, Bilirubin, Albumin and Prothrombin time.

[0482] Leukocyte nucleotide sequence expression profiles are collected and correlated with important clinical states and outcomes in renal or hepatic transplantation. Examples of useful clinical correlates are given here:

[0483] 1. Rejection episode of at least moderate histologic grade, which results in treatment of the patient with additional corticosteriods, anti-T cell antibodies, or total lymphoid irradiation.

[0484] 2. The absence of histologic rejection and normal or unchanged allograft function (based on tests of renal or liver function listed above).

[0485] 3. The presence of severe allograft dysfunction or worsening allograft dysfunction during the study period (based on tests of renal and hepatic function listed above).

[0486] 4. Documented CMV infection by culture, histology, or PCR, and at least one clinical sign or symptom of infection.

[0487] 5. Specific graft biopsy rejection grades

[0488] 6. Rejection of mild to moderate histologic severity prompting augmentation of the patient's chronic immunosuppressive regimen

[0489] 7. Infections other than CMV, esp. Epstein Barr virus (EBV)

[0490] 8. Lymphoproliferative disorder (also called, post-transplant lymphoma)

[0491] 9. Graft Failure or Retransplantation

[0492] 10. Need for hemodialysis or other renal replacement therapy for renal transplant patients.

[0493] 11. Hepatic encephalopathy for liver transplant recipients.

[0494] 12. All cause mortality

[0495] Subsets of the candidate library (or of a previously identified diagnostic nucleotide set), are identified, according to the above procedures, that have predictive and/or diagnostic value for kidney or liver allograft rejection.

Example 13: Identification of diagnostic nucleotide sequences sets for use in the diagnosis, prognosis, risk stratification, and treatment of Atherosclerosis, Stable Angina Pectoris, and acute coronary syndrome.

Prediction of complications of atherosclerosis: angina pectoris.

[0496] Over 50 million in the US have atherosclerotic coronary artery disease (CAD). Almost all adults have some atherosclerosis. The most important question is who will develop complications of atherosclerosis. Patients with angiographically-confirmed atherosclerosis are enrolled in a study, and followed over time. Leukocyte expression profiles are taken at the beginning of the study, and routinely thereafter. Some patients develop angina and others do not. Expression profiles are correlated with development of angina, and subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures, that have predictive and/or diagnostic value for angina pectoris.

[0497] Alternatively, patients are followed by serial angiography. Profiles are collected at the first angiography, and at a repeat angiography at some future time (for example, after 1 year). Expression profiles are correlated with progression of disease, measured, for example, by decrease in vessel lumen diameter. Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures, that have predictive and/or diagnostic value for progression of atherosclerosis.

Prediction and/or diagnosis of acute coronary syndrome

[0498] The main cause of death due to coronary atherosclerosis is the occurrence of acute coronary syndromes: myocardial infarction and unstable angina. Patients with at a very high risk of acute coronary syndrome (e.g., patients with a history of acute coronary syndrome, patients with atherosclerosis, patients with multiple traditional risk factors, clotting disorders or lupus) are enrolled in a prospective study. Leukocyte expression profiles are taken at the beginning of the study period and patients are

monitored for the occurrence of unstable angina and/or myocardial infarction. Standard criteria for the occurrence of an event are used (serum enzyme elevation, EKG, nuclear imaging or other), and the occurrence of these events can be collected from the patient, the patient's physician, the medical record or medical database. Expression profiles (taken at the beginning of the study) are correlated with the occurrence of an acute event. Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures, that have predictive value for occurrence of an acute event.

[0499] In addition, expression profiles (taken at the time that an acute event occurs) are correlated with the occurrence of an acute event. Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures, that have diagnostic value for occurrence of an acute event.

Risk stratification: occurrence of coronary artery disease

[0500] The established and classic risks for the occurrence of coronary artery disease and complications of that disease are: cigarette smoking, diabetes, hypertension, hyperlipidemia and a family history of early atherosclerosis. Obesity, sedentary lifestyle, syndrome X, cocaine use, chronic hemodialysis and renal disease, radiation exposure, endothelial dysfunction, elevated plasma homocysteine, elevated plasma lipoprotein a, and elevated CRP. Infection with CMV and chlamydia infection are less well established, controversial or putative risk factors for the disease. These risk factors can be assessed or measured in a population.

[0501] Leukocyte expression profiles are measured in a population possessing risk factors for the occurrence of coronary artery disease. Expression profiles are correlated with the presence of one or more risk factors (that may correlate with future development of disease and complications). Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures, that have predictive value for the development of coronary artery disease.

[0502] Additional examples of useful correlation groups in cardiology include:

[0503] 1.Samples from patients with a high risk factor burden (e.g., smoking, diabetes, high cholesterol, hypertension, family history) versus samples from those same

patients at different times with fewer risks, or versus samples from different patients with fewer or different risks.

[0504] 2. Samples from patients during an episode of unstable angina or myocardial infarction versus paired samples from those same patients before the episode or after recovery, or from different patients without these diagnoses.

[0505] 3. Samples from patients (with or without documented atherosclerosis) who subsequently develop clinical manifestations of atherosclerosis such as stable angina, unstable angina, myocardial infarction, or stroke, versus samples from patients (with or without atherosclerosis) who do not develop these manifestations over the same time period.

[0506] 4.Samples from patients who subsequently respond to a given medication or treatment regimen versus samples from those same or different patients who subsequently do not respond to a given medication or treatment regimen.

Example 14: Identification of diagnostic nucleotide sets for use in diagnosing and treating Restenosis

Restenosis is the re-narrowing of a coronary artery after an angioplasty. Patients are identified who are about to, or have recently undergone angioplasty. Leukocyte expression profiles are measured before the angioplasty, and at 1 day and 1-2 weeks after angioplasty or stent placement. Patients have a follow-up angiogram at 3 months and/or are followed for the occurrence of clinical restenosis, e.g., chest pain due to re-narrowing of the artery, that is confirmed by angiography. Expression profiles are compared between patients with and without restenosis, and candidate nucleotide profiles are correlated with the occurrence of restenosis. Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures, that have predictive value for the development of restenosis.

Example 15: Identification of diagnostic nucleotide sets for use in monitoring treatment and/or progression of Congestive Heart Failure

[0508] CHF effects greater than 5 million individuals in the US and the prevalence of this disorder is growing as the population ages. The disease is chronic and debilitating. Medical expenditures are huge due to the costs of drug treatments,

echocardiograms and other tests, frequent hospitalization and cardiac transplantation. The primary causes of CHF are coronary artery disease, hypertension and idiopathic cardiomyopathy. Congestive heart failure is the number one indication for heart transplantation.

with systemic inflammation. A leukocyte test with the ability to determine the rate of progression and the adequacy of therapy is of great interest. Patients with severe CHF are identified, e.g. in a CHF clinic, an inpatient service, or a CHF study or registry (such as the cardiac transplant waiting list/registry). Expression profiles are taken at the beginning of the study and patients are followed over time, for example, over the course of one year, with serial assessments performed at least every three months. Further profiles are taken at clinically relevant end-points, for example: hospitalization for CHF, death, pulmonary edema, worsening of Ejection Fraction or increased cardiac chamber dimensions determined by echocardiography or another imaging test, and/or exercise testing of hemodynamic measurements. Clinical data is collected from patients if available, including:

[0510] Serial C-Reactive Protein (CRP), other serum markers, echocardiography (e.g., ejection fraction or another echocardiographic measure of cardiac function), nuclear imaging, NYHA functional classes, hospitalizations for CHF, quality of life measures, renal function, transplant listing, pulmonary edema, left ventricular assist device use, medication use and changes.

[0511] Expression profiles correlating with progression of CHF are identified. Expression profiles predicting disease progression, monitoring disease progression and response to treatment, and predicting response to a particular treatment(s) or class of treatment(s) are identified. Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures, that have predictive value for the progression of CHF. Such diagnostic nucleotide sets are also useful for monitoring response to treatment for CHF.

Example 16: Identification of diagnostic nucleotide sets for use in monitoring treatment and/or progression of Rheumatoid arthritis

[0512] Rheumatoid arthritis (hereinafter, "RA") is a chronic and debilitating inflammatory arthritis. The diagnosis of RA is made by clinical criteria and radiographs. A new class of medication, TNF blockers, are effective, but the drugs are expensive, have side effects and not all patients respond to treatment. In addition, relief of disease symptoms does not always correlate with inhibition of joint destruction. For these reasons, an alternative mechanism for the titration of therapy is needed.

[0513] An observational study was conducted in which a cohort of patients meeting American College of Rheumatology (hereinafter "ARC") criteria for the diagnosis of RA was identified. Arnett et al. (1988) <u>Arthritis Rheum</u> 31:315-24. Patients gave informed consent and a peripheral blood mononuclear cell RNA sample was obtained by the methods as described herein. When available, RNA samples were also obtained from surgical specimens of bone or synovium from effected joints, and synovial fluid.

[0514] From each patient, the following clinical information was obtained if available:

[0515] Demographic information; information relating to the ACR criteria for RA; presence or absence of additional diagnoses of inflammatory and non-inflammatory conditions; data from laboratory test, including complete blood counts with differentials, CRP, ESR, ANA, Serum IL6, Soluble CD40 ligand, LDL, HDL, Anti-DNA antibodies, rheumatoid factor, C3, C4, serum creatinine and any medication levels; data from surgical procedures such as gross operative findings and pathological evaluation of resected tissues and biopsies; information on pharmacological therapy and treatment changes; clinical diagnoses of disease "flare"; hospitalizations; quantitative joint exams; results from health assessment questionnaires (HAQs); other clinical measures of patient symptoms and disability; physical examination results and radiographic data assessing joint involvement, synovial thickening, bone loss and erosion and joint space narrowing and deformity.

[0516] From these data, measures of improvement in RA are derived as exemplified by the ACR 20% and 50% response/improvement rates (Felson et al. 1996).

Measures of disease activity over some period of time is derived from these data as are measures of disease progression. Serial radiography of effected joints is used for objective determination of progression (e.g., joint space narrowing, peri-articular osteoporosis, synovial thickening). Disease activity is determined from the clinical scores, medical history, physical exam, lab studies, surgical and pathological findings.

[0517] The collected clinical data (disease criteria) is used to define patient or sample groups for correlation of expression data. Patient groups are identified for comparison, for example, a patient group that possesses a useful or interesting clinical distinction, verses a patient group that does not possess the distinction. Examples of useful and interesting patient distinctions that can be made on the basis of collected clinical data are listed here:

[0518] 1. Samples from patients during a clinically diagnosed RA flare versus samples from these same or different patients while they are asymptomatic.

[0519] 2. Samples from patients who subsequently have high measures of disease activity versus samples from those same or different patients who have low subsequent disease activity.

[0520] 3. Samples from patients who subsequently have high measures of disease progression versus samples from those same or different patients who have low subsequent disease progression.

[0521] 4. Samples from patients who subsequently respond to a given medication or treatment regimen versus samples from those same or different patients who subsequently do not respond to a given medication or treatment regimen (for example, TNF pathway blocking medications).

[0522] 5. Samples from patients with a diagnosis of osteoarthritis versus patients with rheumatoid arthritis.

[0523] 6. Samples from patients with tissue biopsy results showing a high degree of inflammation versus samples from patients with lesser degrees of histological evidence of inflammation on biopsy.

[0524] Expression profiles correlating with progression of RA are identified.

Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are

identified, according to the above procedures, that have predictive value for the progression of RA.

Diagnostic nucleotide set(s) are identified which predict respond to TNF blockade. Patients are profiled before and during treatment with these medications. Patients are followed for relief of symptoms, side effects and progression of joint destruction, e.g., as measured by hand radiographs. Expression profiles correlating with response to TNF blockade are identified. Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures that have predictive value for response to TNF blockade.

Example 17: Identification of diagnostic nucleotide sets for diagnosis of Systemic Lupus Erythematosis

[0526] SLE is a chronic, systemic inflammatory disease characterized by dysregulation of the immune system. Clinical manifestations affect every organ system and include skin rash, renal dysfunction, CNS disorders, arthralgias and hematologic abnormalities. SLE clinical manifestations tend to both recur intermittently (or "flare") and progress over time, leading to permanent end-organ damage.

[0527] An observational study was conducted in which a cohort of patients meeting American College of Rheumatology (hereinafter "ACR") criteria for the diagnosis of SLE were identified. See Tan et al. (1982) <u>Arthritis Rheum</u> 25:1271-7. Patients gave informed consent and a peripheral blood mononuclear cell RNA sample was obtained by the methods as described herein.

[0528] From each patient, the following clinical information was obtained if available:

[0529] Demographic information, ACR criteria for SLE, additional diagnoses of inflammatory and non-inflammatory conditions, data from laboratory testing including complete blood counts with differentials, CRP, ESR, ANA, Serum IL6, Soluble CD40 ligand, LDL, HDL, Anti-DNA antibodies, rheumatoid factor, C3, C4, serum creatinine (and other measures of renal dysfunction) and any medication levels, data from surgical procedures such as gross operative findings and pathological evaluation of resected tissues and biopsies (e.g., renal, CNS), information on pharmacological therapy and treatment changes, clinical diagnoses of disease "flare", hospitalizations, quantitative

joint exams, results from health assessment questionnaires (HAQs), SLEDAIs (a clinical score for SLE activity that assess many clinical variables), other clinical measures of patient symptoms and disability, physical examination results and carotid ultrasonography.

[0530] The collected clinical data (disease criteria) is used to define patient or sample groups for correlation of expression data. Patient groups are identified for comparison, for example, a patient group that possesses a useful or interesting clinical distinction, verses a patient group that does not possess the distinction. Measures of disease activity in SLE are derived from the clinical data described above to divide patients (and patient samples) into groups with higher and lower disease activity over some period of time or at any one point in time. Such data are SLEDAI scores and other clinical scores, levels of inflammatory markers or complement, number of hospitalizations, medication use and changes, biopsy results and data measuring progression of end-organ damage or end-organ damage, including progressive renal failure, carotid atherosclerosis, and CNS dysfunction. Further examples of useful and interesting patient distinctions that can be made on the basis of collected clinical data are listed here:

[0531] Samples from patients during a clinically diagnosed SLE flare versus samples from these same or different patients while they are asymptomatic or while they have a documented infection.

[0532] 1. Samples from patients who subsequently have high measures of disease activity versus samples from those same or different patients who have low subsequent disease activity.

[0533] 2. Samples from patients who subsequently have high measures of disease progression versus samples from those same or different patients who have low subsequent disease progression.

[0534] 3. Samples from patients who subsequently respond to a given medication or treatment regimen versus samples from those same or different patients who subsequently do not respond to a given medication or treatment regimen.

[0535] 4. Samples from patients with premature carotid atherosclerosis on ultrasonography versus patients with SLE without premature atherosclerosis.

[0536] Expression profiles correlating with progression of SLE are identified, including expression profiles corresponding to end-organ damage and progression of end-organ damage. Expression profiles are identified predicting disease progression or disease "flare", response to treatment or likelihood of response to treatment, predict likelihood of "low" or "high" disease measures (optionally described using the SLEDAI score), and presence or likelihood of developing premature carotid atherosclerosis. Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures, that have predictive value for the progression of SLE.

Example 18: Identification of a diagnostic nucleotide set for diagnosis of cytomegalovirus

[0537] Cytomegalovirus is a very important cause of disease in immunosupressed patients, for example, transplant patients, cancer patients, and AIDS patients. The virus can cause inflammation and disease in almost any tissue (particularly the colon, lung, bone marrow and retina). It is increasingly important to identify patients with current or impending clinical CMV disease, particularly when immunosuppressive drugs are to be used in a patient, e.g. for preventing transplant rejection.

Leukocytes are profiled in patients with active CMV, impending CMV, or no CMV. Expression profiles correlating with diagnosis of active or impending CMV are identified. Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures, that have predictive value for the diagnosis of active or impending CMV. Diagnostic nucleotide set(s) identified with predictive value for the diagnosis of active or impending CMV may be combined, or used in conjunction with, cardiac, liver and/or kidney allograft-related diagnostic gene set(s) (described in Examples 11 and 12).

[0539] In addition, or alternatively, CMV nucleotide sequences are obtained, and a diagnostic nucleotide set is designed using CMV nucleotide sequence. The entire sequence of the organism is known and all CMV nucleotide sequences can be isolated and added to the library using the sequence information and the approach described

below. Known expressed genes are preferred. Alternatively, nucleotide sequences are selected to represent groups of CMV genes that are coordinately expressed (immediate early genes, early genes, and late genes) (Spector et al. 1990, Stamminger et al. 1990).

[0540] CMV nucleotide sequences were isolated as follows: Primers were designed to amplify known expressed CMV genes, based on the publically available sequence of CMV strain AD 169 (Genbank LOCUS: HEHCMVCG 229354 bp; DEFINITION Human cytomegalovirus strain AD169 complete genome; ACCESSION X17403; VERSION X17403.1 GI:59591). The following primer were used to PCR amplify nucleotide sequences from 175 ng of AD 169 viral genomic DNA (Advance Biotechnologies Incorporated) as a template:

CMV GENE	PRIMER SEQUENCES	SEQ. ID. NO:
UL21 5'	atgtggccgcttctgaaaaac	8771
UL21 3'	tcatggggtggggacgggg	8772
UL33 5'	gtacgcgctgctgggtcatg	8773
UL33 3'	tcataccccgctgaggttatg	8774
UL54 5'	cacggacgacgacgctgacg	8775
UL54 3'	gtacggcagaaaagccggctc	8776
UL55 5'	caccaaagacacgtcgttacag	8777
UL55 3'	tcagacgttctcttcttcgtcg	8778
UL75 5'	cageggegeteaacattteac	8779
UL75 3'	tcagcatgtcttgagcatgcgg	8780
UL80 5'	cctccccaactactactaccg	8781
UL80 3'	ttactcgagcttattgagcgcag	8782
UL83 5'	cacgtcgggcgttatgacac	8783
UL83 3'	tcaacctcggtgctttttggg	8784
UL97 5'	ctgtctgctcattctggcgg	8785
UL97 3'	ttactcggggaacagttggcg	8786
UL106 5'	atgatgaccgaccgcacgga	8787
UL106 3'	tcacggtggctcgatacactg	8788
UL107 5'	aagcttccttacagcataactgt	8789
UL107 3'	ccttataacatgtattttgaaaaattg	8790
UL109 5'	atgatacacgactaccactgg	8791
UL109 3'	ttacgagcaagagttcatcacg	8792
UL112 5'	ctgcgtgtcctcgctgggt	8793
UL112 3'	tcacgagtccactcggaaagc	8794
UL113 5'	ctcgtcttcttcggctccac	8795

UL113 3' ttaatcgtcgaaaaacgccgg 8796 UL122 5' gatgcttgtaacgaaggcgtc 8797 UL122 3' ttactgagacttgttcctcagg 8798 UL123 5' gtagcctacactttggccacc 8799 UL123 3' ttactggtcagccttgcttcta 8800 IRL2 5' acgtccctggtagacggg 8801 IRL2 3' ttatagaaaagaagcacaagctc 8802 IRL3 5' atgtattgttttcttttttacagaaag 8803 IRL3 5' atgtattgtttctttttttacagaaag 8804 IRL4 5' cttctcctttccttaatctcgg 8805 IRL4 3' ctatacggagatcggtgcc 8806 IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctacatataaaaacgcagggg 8808 IRL7 5' atgaaagcaagaggcagccg 8809 IRL7 3' tcataaggtacgattacgtt 8810 IRL13 5' atggactggcgatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaccgcatac 8814 US3 5' atgaaccactcttgtgtctcg 8818 US6 5'			L0700
UL122 3' ttactgagacttgttcctcagg 8798 UL123 5' gtagcctacactttggccacc 8799 UL123 3' ttactggtcagccttgcttcta 8800 IRL2 5' acgtccctggtagacggg 8801 IRL2 3' ttataagaaaagaagcacaagctc 8802 IRL3 5' atgtattgttttcttttttacagaaag 8803 IRL3 3' ttatattattatcaaaacgaaaaacag 8804 IRL4 5' cttctcctttccttaatctcgg 8805 IRL4 3' ctatacggagatcgcggtcc 8806 IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctaccatataaaaacgcagggg 8808 IRL7 5' atgaaagcaggagcagccg 8809 IRL7 3' tcataaggtaacgatgttactttt 8810 IRL13 5' atggactggggatttacggtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US3 3' ttaaataaatcgcagacgggcg 8816 US3 3' ttaaataaatcgcagacgtgaatc 8816 US6 5' atggaccacaacgtcatctgctc 8819 U	UL113 3'	ttaatcgtcgaaaaacgccgcg	8796
UL123 5' gtagcctacactttggccacc 8799 UL123 3' ttactggtcagcttgcttcta 8800 IRL2 5' acgtccctggtagacggg 8801 IRL2 3' ttataagaaagaagcacaagctc 8802 IRL3 5' atgtattgtttcttttttttacagaaag 8803 IRL3 3' ttatattattacaaaacgaaaaacag 8804 IRL4 5' cttctcctttccttaatctcgg 8805 IRL4 3' ctatacggagtcgcggtcc 8806 IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctaccatataaaaacgcagggg 8808 IRL7 5' atgaaagcaagaggcagcg 8809 IRL7 3' tcataaggtaacgatgctactttt 8810 IRL13 5' atggactggcgatttacggtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagccgt 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 3' ttaaataaatcgcagacggcg 8816 US6 5' atggatctcttgattcgtctcg 8818 US1 5' cgcaaaacgctactggccg 8819 US1 5'	UL122 5'	gatgcttgtaacgaaggcgtc	8797
UL123 3' ttactggtcagcttgcttcta 8800 IRL2 5' acgtccctggtagacggg 8801 IRL2 3' ttataagaaaagaagcacaagctc 8802 IRL3 5' atgtattgttttctttttttacagaaag 8803 IRL3 3' ttatattattatcaaaacgaaaaacag 8804 IRL4 5' cttctcctttccttaatctcgg 8805 IRL4 3' ctatacggagatcgcggtcc 8806 IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctaccatataaaaacgcagggg 8808 IRL7 5' atgaaagcagagacgcgcg 8809 IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactggcgattttcagtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 3' ttaaataaataaataacgcagagggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagcacaaacgtcactggctcc 8819 US11 5' cgcaaaacgctactggcgcaaaacatc 8820	UL122 3'	ttactgagacttgttcctcagg	8798
IRL2 5' acgtcctgtagacggg 8801 IRL2 3' ttatagaaaagaagcacaagctc 8802 IRL3 5' atgtattgtttcttttttacagaaag 8803 IRL3 3' ttatattattacaaaacgaaaaacag 8804 IRL4 5' cttccctttccttaatctcgg 8805 IRL4 3' ctatacggagatcgcggtcc 8806 IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctaccatataaaaacgcagggg 8808 IRL7 5' atgaaagcaagagcacg 8809 IRL7 5' atgaaagcaagagcacg 8809 IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactggcgatttacggtt 8811 IRL13 5' atggactggcgatttacggtt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaacgcggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8819 US11 5' cgcaaaacgctactggtcc 8819 US11 3' tcaccactggtccgaaacact 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacacacagctgagacgcg 8821 US18 3' ttacacacagctgagacgcg 8821 US18 3' ttacacacagctgagacacacc 8822 US27 5' atgacacactctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggttctcagtcg 8825	UL123 5'	gtagcctacactttggccacc	8799
IRL2 3' ttataagaaagaagcacaagctc 8802 IRL3 5' atgtattgttttcttttttacagaaag 8803 IRL3 3' ttatattattacaaaacgaaaaacag 8804 IRL4 5' cttccctttccttaatctcgg 8805 IRL4 3' ctatacgagatcgcgtcc 8806 IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctaccatataaaaacgaagggg 8808 IRL7 5' atgaaagcaagagcagcg 8809 IRL7 5' atgaaagcaagagcagcg 8809 IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactggcgatttacggtt 8811 IRL13 5' atgaacatctctggaaagcctg 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgatc 8814 US3 5' atgaagcagtgttgtgtcc 8815 US3 3' ttaaataaatcgcagagggg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US1 5' cgcaaaacgctactggctc 8819 US1 5' tacgcatggtcgtaacacc 8820 US18 5' tacgctggtccgtcatcgt 8821 US18 3' ttacacaagctgaggagactc 8822 US27 5' atgaacaacagctgtgatcc 8824 US28 5' cgttgcggttctcagtcg 8825	UL123 3'	ttactggtcagccttgcttcta	8800
IRL3 5' atgattgtttcttttttacagaaag 8803 IRL3 3' ttatattattatcaaaacgaaaaacag 8804 IRL4 5' cttccctttccttaatctcgg 8805 IRL4 3' ctatacggagatcgcggtcc 8806 IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctaccatataaaaacgcagggg 8808 IRL7 5' atgaaagcaagaggcagccg 8809 IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactggcgatttacggtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaacaacactctacaaataatacaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	IRL2 5'	acgtccctggtagacggg	8801
IRL3 3' ttatattattatcaaaacgaaaaacag 8804 IRL4 5' cttcctttccttaatctcgg 8805 IRL4 3' ctatacggagatcgcggtcc 8806 IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctaccatataaaaacgcagggg 8808 IRL7 5' atgaaagcaagaggcagccg 8809 IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactggcgattacggtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaacaacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgtgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	IRL2 3'	ttataagaaaagaagcacaagctc	8802
IRL4 5' cttctcctttccttaatctcgg 8805 IRL4 3' ctatacggagatcgcggtcc 8806 IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctaccatataaaaacgcagggg 8808 IRL7 5' atgaagcagaggcagccg 8809 IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactgcgatttacggtt 8811 IRL13 5' atgaactgcgatttacggtt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaacgcatc 8814 US3 5' atgaagccggtttggtgctc 8815 US3 3' ttaaataaatcgcagacggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 5' cgcaaaacgctactggctcc 8820 US11 5' tacggctggtcgtacgt 8821 US18 3' ttacaacaagctgagagagactc 8822 US27 5' atgaaccactctacaaataatcaaac 8823 US27 3' gtagaaacaaggttgagtccc 8824 US28 5' cgttgcggtgtccatcgt 8825	IRL3 5'	atgtattgttttctttttttacagaaag	8803
IRL4 3' ctatacggagatcgcggtcc 8806 IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctaccatataaaaacgcagggg 8808 IRL7 5' atgaaagcaagaggcagccg 8809 IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactggcgatttacggtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 5' cgcaaaacgctactggtccc 8820 US18 5' tacggctgtccgtactgt 8821 US18 3' ttacaacaagctgagagagactc 8822 US27 5' atgaaccactctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttcatcgt US28 5' cgttgcggtgtccatcgt 8825	IRL3 3'	ttatattattatcaaaacgaaaaacag	8804
IRL5 5' atgcatacatacacgcgtgcat 8807 IRL5 3' ctaccatataaaaacgcagggg 8808 IRL7 5' atgaaagcaagaggcagccg 8809 IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactggcgatttacggtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 5' tcaccactggtccgaaaacatc 8820 US18 5' tacgcatggtgtcgtcatcgt 8821 US18 3' ttacaacaagctgaggagagctc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtcctcagtcg 8825	IRL4 5'	cttctcctttccttaatctcgg	8805
IRL5 3' ctaccatataaaaacgcagggg 8808 IRL7 5' atgaaagcaagaggcagccg 8809 IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactggcgatttacggtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaaggttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	IRL4 3'	ctatacggagatcgcggtcc	8806
IRL7 5' atgaaagcaagaggcagccg 8809 IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactggcgatttacggtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctgtcgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgacacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtccatcgt 8825	IRL5 5'	atgcatacatacacgcgtgcat	8807
IRL7 3' tcataaggtaacgatgctacttt 8810 IRL13 5' atggactggcgatttacggtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaaggttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	IRL5 3'	ctaccatataaaaacgcagggg	8808
IRL13 5' atggactggcgatttacggtt 8811 IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8820 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtcctcagtcg 8825	IRL7 5'	atgaaagcaagaggcagccg	8809
IRL13 3' ctacattgtgccatttctcagt 8812 US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtcctcagtcg 8825	IRL7 3'	tcataaggtaacgatgctacttt	8810
US2 5' atgaacaatctctggaaagcctg 8813 US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8820 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtcgtcatcgt 8821 US18 3' ttaaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtcctcagtcg 8825	IRL13 5'	atggactggcgatttacggtt	8811
US2 3' tcagcacacgaaaaaccgcatc 8814 US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	IRL13 3'	ctacattgtgccatttctcagt	8812
US3 5' atgaagccggtgttggtgctc 8815 US3 3' ttaaataaatcgcagacggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	US2 5'	atgaacaatctctggaaagcctg	8813
US3 3' ttaaataaatcgcagacgggcg 8816 US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	US2 3'	tcagcacacgaaaaaccgcatc	8814
US6 5' atggatctcttgattcgtctcg 8817 US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	US3 5'	atgaagccggtgttggtgctc	8815
US6 3' tcaggagccacaacgtcgaatc 8818 US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	US3 3'	ttaaataaatcgcagacgggcg	8816
US11 5' cgcaaaacgctactggctcc 8819 US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	US6 5'	atggatctcttgattcgtctcg	8817
US11 3' tcaccactggtccgaaaacatc 8820 US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	US6 3'	tcaggagccacaacgtcgaatc	8818
US18 5' tacggctggtccgtcatcgt 8821 US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	US11 5'	cgcaaaacgctactggctcc	8819
US18 3' ttacaacaagctgaggagactc 8822 US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	US11 3'	tcaccactggtccgaaaacatc	8820
US27 5' atgaccacctctacaaataatcaaac 8823 US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	US18 5'	tacggctggtccgtcatcgt	8821
US27 3' gtagaaacaagcgttgagtccc 8824 US28 5' cgttgcggtgtctcagtcg 8825	US18 3'	ttacaacaagctgaggagactc	8822
US28 5' cgttgcggtgtctcagtcg 8825	US27 5'	atgaccacctctacaaataatcaaac	8823
33333333	US27 3'	gtagaaacaagcgttgagtccc	8824
US28 3' tcatgctgtggtaccaggata 8826	US28 5'	cgttgcggtgtctcagtcg	8825
	US28 3'	tcatgctgtggtaccaggata	8826

[0541] The PCR reaction conditions were 10 mM Tris pH 8.3, 3.5 mM MgCl2, 25 mM KCl, 200 uM dNTP's, 0.2 uM primers, and 5 Units of Taq Gold. The cycle parameters were as follows:

[**0542**] 1. 95°C for 30 sec

[**0543**] 2. 95°C for 15 sec

[**0544**] 3. 56°C for 30 sec

[0545] 4. 72°C for 2 min

[**0546**] 5. go to step 2, 29 times

[**0547**] 6. 72°C for 2 min

[**0548**] 7. 4°C forever

PCR products were gel purified, and DNA was extracted from the agarose [0549] using the QiaexII gel purification kit (Qiagen). PCR product was ligated into the T/A cloning vector p-GEM-T-Easy (Promega) using 3 ul of gel purified PCR product and following the Promega protocol. The products of the ligation reaction were transformed and plated as described in the p-GEM protocol. White colonies were picked and grow culture in LB-AMP medium. Plasmid was prepared from these cultures using Qiagen Miniprep kit (Qiagen). Restriction enzyme digested plasmid (Not I and EcoRI) was examined after agarose gel electrophoresis to assess insert size. When the insert was the predicted size, the plasmid was sequenced by well-known techniques to confirm the identity of the CMV gene. Using forward and reverse primers that are complimentary to sequences flanking the insert cloning site (M13F and M13R), the isolated CMV gene was amplified and purified as described above. Amplified cDNAs were used to create a microarray as described above. In addition, 50mer oligonucleotides corresponding the CMV genes listed above were designed, synthesized and placed on a microarray using methods described elsewhere in the specification.

[0550] Alternatively, oligonucleotide sequences are designed and synthesized for oligonucleotide array expression analysis from CMV genes as described in examples 20-22.

[0551] Diagnostic nucleotide set(s) for expression of CMV genes is used in combination with diagnostic leukocyte nucleotide sets for diagnosis of other conditions, e.g. organ allograft rejection.

Example 19: Identification of diagnostic nucleotide sets for monitoring response to Statins

[0552] HMG-CoA reductase inhibitors, called "Statins," are very effective in preventing complications of coronary artery disease in either patients with coronary

disease and high cholesterol (secondary prevention) or patients without known coronary disease and with high cholesterol (primary prevention). Examples of Statins are (generic names given) pravistatin, atorvastatin, and simvastain. Monitoring response to Statin therapy is of interest. Patients are identified who are on or are about to start Statin therapy. Leukocytes are profiled in patients before and after initiation of therapy, or in patients already being treated with Statins. Data is collected corresponding to cholesterol level, markers of inflammation (e.g., C-Reactive Protein and the Erythrocyte Sedimentation Rate), measures of endothelial function (e.g., improved forearm resistance or coronary flow reserve) and clinical endpoints (new stable angina, unstable angina, myocardial infarction, ventricular arrhythmia, claudication). Patient groups can be defined based on their response to Statin therapy (cholesterol, clinical endpoints, endothelial function). Expression profiles correlating with response to Statin treatment are identified. Subsets of the candidate library (or a previously identified diagnostic nucleotide set) are identified, according to the above procedures, that have predictive value for the response to Statins. Members of candidate nucleotide sets with expression that is altered by Statins are disease target nucleotides sequences.

Example 20--Probe Selection for a 24,000 Feature Array

[0553] This Example describes the compilation of almost 8,000 unique genes and ESTs using sequences identified from the sources described below. The sequences of these genes and ESTs were used to design probes, as described in the following Example.

[0554] Tables 3A, 3B and 3C list the sequences identified in the subtracted leukocyte expression libraries. All sequences that were identified as corresponding to a known RNA transcript were represented at least once, and all unidentified sequences were represented twice – once by the sequence on file and again by the complementary sequence – to ensure that the sense (or coding) strand of the gene sequence was included.

Table 3A. Table 3A contained all those sequences in BioCardia's subtracted libraries that matched sequences in GenBank's nr, EST_Human, and UniGene databases with an acceptable level of confidence. All the entries in the table representing the sense strand of their genes were grouped together and all those representing the antisense strand were grouped. A third group contained those entries whose strand could

not be determined. Two complementary probes were designed for each member of this third group.

Table 3B and 3C. Table 3B and 3C contained all those sequences in the leukocyte expression subtracted library that did not match sequences in GenBank's nr, EST_Human, and UniGene databases with an acceptable level of confidence, but which had a high probability of representing real mRNA sequences. Sequences in Table 3B did not match anything in the databases above but matched regions of the human genome draft and were spatially clustered along it, suggesting that they were exons, rather than genomic DNA included in the library by chance. Sequences in Table 3C also aligned well to regions of the human genome draft, but the aligned regions were interrupted by genomic DNA, meaning they were likely to be spliced transcripts of multiple exon genes.

Table 3B lists 510 clones and Table 3C lists 48 clones that originally had no similarity with any sequence in the public databases. Blastn searches conducted after the initial filing have identified sequences in the public database with high similarity (E values less than 1e-40) to the sequences determined for these clones. Table 3B contained 272 clones and Table 3C contained 25 clones that were found to have high similarity to sequences in dbEST. The sequences of the similar dbEST clones were used to design probes. Sequences from clones that contained no similar regions to any sequence in the database were used to design a pair of complementary probes.

Probes were designed from database sequences that had the highest similarity to each of the sequenced clones in Tables 3A, 3B, and 3C. Based on BLASTn searches the most similar database sequence was identified by locus number and the locus number was submitted to GenBank using batch Entrez (http://www.ncbi.nlm.nih.gov/entrez/batchentrez.cgi?db=Nucleotide) to obtain the sequence for that locus. The GenBank entry sequence was used because in most cases it was more complete or was derived from multi-pass sequencing and thus would likely have fewer errors than the single pass cDNA library sequences. When only UniGene cluster IDs were available for genes of interest, the respective sequences were extracted from the UniGene_unique database, build 137, downloaded from NCBI (ftp://ncbi.nlm.nih.gov/repository/UniGene/). This database contains one representative sequence for each cluster in UniGene.

Summary of BioCardia library clones used in probe design.

<u>Table</u>	Sense Strand	Antisense Strand	Strand Undetermined
Table 3A	3621	763	124
Table 3B	142	130	238
Table 3C	19	6	23
Totals	3782	899	385

Literature Searches

[0559] Example 2 describes searches of literature databases. We also searched for research articles discussing genes expressed only in leukocytes or involved in inflammation and particular disease conditions, including genes that were specifically expressed or down-regulated in a disease state. Searches included, but were not limited to, the following terms and various combinations of theses terms: inflammation, atherosclerosis, rheumatoid arthritis, osteoarthritis, lupus, SLE, allograft, transplant, rejection, leukocyte, monocyte, lymphocyte, mononuclear, macrophage, neutrophil, eosinophil, basophil, platelet, congestive heart failure, expression, profiling, microarray, inflammatory bowel disease, asthma, RNA expression, gene expression, granulocyte.

[0560] A UniGene cluster ID or GenBank accession number was found for each gene in the list. The strand of the corresponding sequence was determined, if possible, and the genes were divided into the three groups: sense (coding) strand, anti-sense strand, or strand unknown. The rest of the probe design process was carried out as described above for the sequences from the leukocyte subtracted expression library.

Database Mining

Database mining was performed as described in Example 2. In addition, the Library Browser at the NCBI UniGene web site (http://www.ncbi.nlm.nih.gov/UniGene/lbrowse.cgi?ORG=Hs&DISPLAY=ALL) was used to identify genes that are specifically expressed in leukocyte cell populations. All expression libraries available at the time were examined and those derived from leukocytes were viewed individually. Each library viewed through the Library Browser at the UniGene web site contains a section titled "Shown below are UniGene clusters of

special interest only" that lists genes that are either highly represented or found only in that library. Only the genes in this section were downloaded from each library. Alternatively, every sequence in each library is downloaded and then redundancy between libraries is reduced by discarding all UniGene cluster IDs that are represented more than once. A total of 439 libraries were downloaded, containing 35,819 genes, although many were found in more than one library. The most important libraries from the remaining set were separated and 3,914 genes remained. After eliminating all redundancy between these libraries and comparing the remaining genes to those listed in Tables 3A, 3B and 3C, the set was reduced to 2,573 genes in 35 libraries (listed below). From these, all genes in first 30 libraries were used to design probes. A random subset of genes was used from Library Lib.376, "Activated_T-cells_XX". From the last four libraries, a random subset of sequences listed as "ESTs, found only in this library" was used.

			No. of	No. of
			sequences	sequences
Library			before	used on
ID	Library Name	Category	reduction	array*
Lib.2228	Human_leukocyte_MATCHMAKER_cDNA_Library	other/unclassified	4	3
Lib.238	RA-MO-III (activated monocytes from RA patient)	Blood	2	1
Lib.242	Human_peripheral_blood_(Whole)_(Steve_Elledge)	Blood	4	2
Lib.2439	Subtracted_cDNA_libraries_from_human_Jurkat_cells	other/unclassified	4	1
Lib.323	Activated_T-cells_I	other/unclassified	19	3
Lib.327	Monocytes,_stimulated_II	Blood	92	35
Lib.387	Macrophage_I	other/unclassified	84	24
Lib.409	Activated_T-cells_IV	other/unclassified	37	10
Lib.410	Activated_T-cells_VIII	other/unclassified	27	10
Lib.411	Activated_T-cells_V	other/unclassified	41	9
Lib.412	Activated_T-cells_XII	other/unclassified	29	12
Lib.413	Activated_T-cells_XI	other/unclassified	13	6
Lib.414	Activated_T-cells_II	other/unclassified	69	30
Lib.429	Macrophage_II	other/unclassified	56	24
Lib.4480	Homo_sapiens_rheumatoid_arthritis_fibroblast-like_synovial	other/unclassified	7	6
Lib.476	Macrophage,_subtracted_(total_cDNA)	other/unclassified	11	1

Total			3,914	939
Lib.289	NCI_CGAP_GCB1 (germinal center b-cells)	Tonsil	935	200†
Lib.2217	NCI_CGAP_Sub7 (germinal center b-cells)	B cells germinal	605	200†
Lib.1395	NCI_CGAP_Sub6 (germinal center b-cells)	B cells germinal	389	100†
Lib.669	NCI_CGAP_CLL1 (Lymphocyte)	Blood	353	81†
Lib.376	Activated_T-cells_XX	other/unclassified	999	119
Lib.5018	Homo_sapiens_CD4+_T-cell_clone_HA1.7	other/unclassified	6	3
Lib.1367	cDNA_Library_from_rIL-2_activated_lymphocytes	other/unclassified	3	2
Lib.773	PMA-induced_HL60_cell_subtraction_library (leukemia)	other/unclassified	6	3
Lib.689	$Subtracted_cDNA_library_of_activated_B_lymphocyte$	Tonsil	1	1
Lib.646	Human_leukocyte_(M.L.Markelov)	other/unclassified	1	1
Lib.6342	Human_lymphocytes	other/unclassified	2	2
Lib.6338	human_activated_B_lymphocyte	Tonsils	9	8
Lib.5009	$Homo_Sapiens_cDNA_Library_from_Peripheral_White_Blood_Cell$	other/unclassified	3	3
Lib.498	RA-MO-I (activated peripheral blood monocytes from RA patient)	Blood	2	1
Lib.494	Activated_T-cells_X	other/unclassified	18	5
Lib.493	Activated_T-cells_VI	other/unclassified	31	15
Lib.492	Activated_T-cells_IX	other/unclassified	16	5
Lib.491	Activated_T-cells_VII	other/unclassified	27	8
Lib.490	Activated_T-cells_III	other/unclassified	9	5

^{*} Redundancy of UniGene numbers between the libraries was eliminated.

Angiogenesis Markers

[0562] 215 sequences derived from an angiogenic endothelial cell subtracted cDNA library obtained from Stanford University were used for probe design. Briefly, using well known subtractive hybridization procedures, (as described in, e.g., US Patent Numbers 5,958,738; 5,589,339; 5,827,658; 5,712,127; 5,643,761; 5,565,340) modified to normalize expression by suppressing over-representation of abundant RNA species while increasing representation of rare RNA species, a library was produced that is enriched for RNA species (messages) that are differentially expressed between test (stimulated) and control (resting) HUVEC populations. The subtraction/suppression protocol was performed as described by the kit manufacturer (Clontech, PCR-select cDNA Subtraction Kit).

[†] A subset of genes flagged as "Found only in this library" were taken.

[0563] Pooled primary HUVECs (Clonetics) were cultured in 15% FCS, M199 (GibcoBRL) with standard concentrations of Heparin, Penicillin, Streptomycin, Glutamine and Endothelial Cell Growth Supplement. The cells were cultured on 1% gelatin coated 10 cm dishes. Confluent HUVECs were photographed under phase contrast microscopy. The cells formed a monolayer of flat cells without gaps. Passage 2-5 cells were used for all experiments. Confluent HUVECs were treated with trypsin/EDTA and seeded onto collagen gels. Collagen gels were made according to the protocol of the Collagen manufacturer (Becton Dickinson Labware). Collagen gels were prepared with the following ingredients: Rat tail collagen type I (Collaborative Biomedical) 1.5 mg/mL, mouse laminin (Collaborative Biomedical) 0.5 mg/mL, 10% 10X media 199 (Gibco BRL). 1N NaOH, 10 X PBS and sterile water were added in amounts recommended in the protocol. Cell density was measured by microscopy. 1.2 x 10^6 cells were seeded onto gels in 6-well, 35 mm dishes, in 5% FCS M199 media. The cells were incubated for 2 hrs at 37 C with 5% CO2. The media was then changed to the same media with the addition of VEGF (Sigma) at 30ng/mL media. Cells were cultured for 36 hrs. At 12, 24 and 36 hrs, the cells were observed with phase contrast microscopy. At 36 hours, the cells were observed elongating, adhering to each other and forming lumen structures. At 12 and 24 hrs media was aspirated and refreshed. At 36 hrs, the media was aspirated, the cells were rinsed with PBS and then treated with Collagenase (Sigma) 2.5mg/mL PBS for 5 min with active agitation until the collagen gels were liquefied. The cells were then centrifuged at 4C, 2000g for 10 min. The supernatant was removed and the cells were lysed with 1 mL Trizol Reagent (Gibco) per 5x106 cells. Total RNA was prepared as specified in the Trizol instructions for use. mRNA was then isolated as described in the micro-fast track mRNA isolation protocol from Invitrogen. This RNA was used as the tester RNA for the subtraction procedure.

[0564] Ten plates of resting, confluent, p4 HUVECs, were cultured with 15 % FCS in the M199 media described above. The media was aspirated and the cells were lysed with 1 mL Trizol and total RNA was prepared according to the Trizol protocol. mRNA was then isolated according to the micro-fast track mRNA isolation protocol from Invitrogen. This RNA served as the control RNA for the subtraction procedure.

manual for the Clontech PCR Select Subtraction Kit. The cDNAs prepared from the test population of HUVECs were divided into "tester" pools, while cDNAs prepared from the control population of HUVECs were designated the "driver" pool. cDNA was synthesized from the tester and control RNA samples described above. Resulting cDNAs were digested with the restriction enzyme RsaI. Unique double-stranded adapters were ligated to the tester cDNA. An initial hybridization was performed consisting of the tester pools of cDNA (with its corresponding adapter) and an excess of the driver cDNA. The initial hybridization results in a partial normalization of the cDNAs such that high and low abundance messages become more equally represented following hybridization due to a failure of driver/tester hybrids to amplify.

[0566] A second hybridization involved pooling unhybridized sequences from the first hybridization together with the addition of supplemental driver cDNA. In this step, the expressed sequences enriched in the two tester pools following the initial hybridization can hybridize. Hybrids resulting from the hybridization between members of each of the two tester pools are then recovered by amplification in a polymerase chain reaction (PCR) using primers specific for the unique adapters. Again, sequences originating in a tester pool that form hybrids with components of the driver pool are not amplified. Hybrids resulting between members of the same tester pool are eliminated by the formation of "panhandles" between their common 5' and 3' ends. This process is illustrated schematically in Figure 3. The subtraction was done in both directions, producing two libraries, one with clones that are upregulated in tube-formation and one with clones that are down-regulated in the process.

[0567] The resulting PCR products representing partial cDNAs of differentially expressed genes were then cloned (i.e., ligated) into an appropriate vector according to the manufacturer's protocol (pGEM-Teasy from Promega) and transformed into competent bacteria for selection and screening. Colonies (2180) were picked and cultured in LB broth with 50ug/mL ampicillin at 37C overnight. Stocks of saturated LB + 50 ug/mL ampicillin and 15% glycerol in 96-well plates were stored at –80C. Plasmid was prepared from 1.4mL saturated LB broth containing 50 ug/mL ampicillin. This was

done in a 96 well format using commercially available kits according to the manufacturer's recommendations (Qiagen 96-turbo prep).

[0568] 2 probes to represent 22 of these sequences required, therefore, a total of 237 probes were derived from this library.

Viral genes

[0569] Several viruses may play a role in a host of disease including inflammatory disorders, atherosclerosis, and transplant rejection. The table below lists the viral genes represented by oligonucleotide probes on the microarray. Low-complexity regions in the sequences were masked using RepeatMasker before using them to design probes.

Virus	Gene Name	Genome Location	
	Ela	12261542	
	E1b_1	32703503	
	E2a_2	complement(2408925885)	
Adenovirus, type 2	E3-1	2760929792	
Accession #J01917	E4 (last exon at 3'-end)	complement(3319332802)	
	IX	35764034	
	Iva2	complement(40815417)	
	DNA Polymerase	complement(51875418)	
	HCMVTRL2 (IRL2)	18932240	
	HCMVTRL7 (IRL7)	complement(65956843)	
	HCMVUL21	complement(2649727024)	
	HCMVUL27	complement(3283134657)	
	HCMVUL33	4325144423	
Cytomegalovirus	HCMVUL54	complement(7690380631)	
(CMV)	HCMVUL75	complement(107901110132)	
Accession #X17403	HCMVUL83	complement(119352121037)	
11000001011 11211 1 403	HCMVUL106	complement(154947155324)	
	HCMVUL109	complement(157514157810)	
	HCMVUL113	161503162800	
	HCMVUL122	complement(169364170599)	
	HCMVUL123 (last exon at 3'-end)	complement(171006172225)	
	HCMVUS28	219200220171	
	Exon in EBNA-1 RNA	6747767649	
Epstein-Barr virus	Exon in EBNA-1 RNA	9836498730	
(EBV)	BRLF1	complement(103366105183)	
Accession # NC_001345	BZLF1 (first of 3 exons)	complement(102655103155)	
1000001011 # INC_001040	BMLF1	complement(8274384059)	
	BALF2	complement(161384164770)	
	1	1	

Human Herpesvirus 6 (HHV6) Accession #NC_001664	U16/U17 U89 U90 U86 U83 U22 DR2 (DR2L) DR7 (DR7L) U95 U94 U39 U42 U81 U91	complement(2625927349) complement(133091135610) complement(135664135948) complement(125989128136) 123528123821 complement(3373934347) 7912653 56296720 142941146306 complement(141394142866) complement(5958862080) complement(6905470598) complement(121810122577) 136485136829
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Strand Selection

[0570] It was necessary to design sense oligonucleotide probes because the labeling and hybridization protocol to be used with the microarray results in fluorescently-labeled antisense cRNA. All of the sequences we selected to design probes could be divided into three categories:

[0571]

(1) Sequences known to represent the sense strand

[0572]

(2) Sequences known to represent the antisense strand

[0573]

descriptions

(3) Sequences whose strand could not be easily determined from their

It was not known whether the sequences from the leukocyte subtracted expression library were from the sense or antisense strand. GenBank sequences are reported with sequence given 5' to 3', and the majority of the sequences we used to design probes came from accession numbers with descriptions that made it clear whether they represented sense or antisense sequence. For example, all sequences containing "mRNA" in their descriptions were understood to be the sequences of the sense mRNA, unless otherwise noted in the description, and all IMAGE Consortium clones are directionally cloned and so the direction (or sense) of the reported sequence can be determined from the annotation in the GenBank record.

[0575] For accession numbers representing the sense strand, the sequence was downloaded and masked and a probe was designed directly from the sequence. These probes were selected as close to the 3' end as possible. For accession numbers representing the antisense strand, the sequence was downloaded and masked, and a probe was designed complementary to this sequence. These probes were designed as close to the 5' end as possible (i.e., complementary to the 3' end of the sense strand).

Minimizing Probe Redundancy.

[0576] Multiple copies of certain genes or segments of genes were included in the sequences from each category described above, either by accident or by design.

Reducing redundancy within each of the gene sets was necessary to maximize the number of unique genes and ESTs that could be represented on the microarray.

Three methods were used to reduce redundancy of genes, depending on what information was available. First, in gene sets with multiple occurrences of one or more UniGene numbers, only one occurrence of each UniGene number was kept. Next, each gene set was searched by GenBank accession numbers and only one occurrence of each accession number was conserved. Finally, the gene name, description, or gene symbol were searched for redundant genes with no UniGene number or different accession numbers. In reducing the redundancy of the gene sets, every effort was made to conserve the most information about each gene.

[0578] We note, however, that the UniGene system for clustering submissions to GenBank is frequently updated and UniGene cluster IDs can change. Two or more clusters may be combined under a new cluster ID or a cluster may be split into several new clusters and the original cluster ID retired. Since the lists of genes in each of the gene sets discussed were assembled at different times, the same sequence may appear in several different sets with a different UniGene ID in each.

[0579] Sequences from Table 3A were treated differently. In some cases, two or more of the leukocyte subtracted expression library sequences aligned to different regions of the same GenBank entry, indicating that these sequences were likely to be from different exons in the same gene transcript. In these cases, one representative library sequence corresponding to each presumptive exon was individually listed in Table 3A.

Compilation.

[0580] After redundancy within a gene set was sufficiently reduced, a table of approximately 8,000 unique genes and ESTs was compiled in the following manner. All of the entries in Table 3A were transferred to the new table. The list of genes produced by literature and database searches was added, eliminating any genes already contained in Table 3A. Next, each of the remaining sets of genes was compared to the table and any genes already contained in the table were deleted from the gene sets before appending them to the table.

Dis Condis Culturated I at 1 4 E 2 2 2 2	<u>Probes</u>
BioCardia Subtracted Leukocyte Expression Library	
Table 3A	4,872
Table 3B	796
Table 3C	85
Literature Search Results	494
Database Mining	1,607
Viral genes	
a. CMV	14
b. EBV	6
c. HHV 6	14
d. Adenovirus	8
Angiogenesis markers: 215, 22 of which needed two probes	237
Arabidopsis thaliana genes	10
Total sequences used to design probes	8,143

Example 21- Design of oligonucleotide probes

This section describes the design of four oligonucleotide probes using Array Designer Ver 1.1 (Premier Biosoft International, Palo Alto, CA).

Clone 40H12

[0581] Clone 40H12 was sequenced and compared to the nr, dbEST, and UniGene databases at NCBI using the BLAST search tool. The sequence matched accession number NM_002310, a 'curated RefSeq project' sequence, see Pruitt et al. (2000) Trends Genet. 16:44-47, encoding leukemia inhibitory factor receptor (LIFR) mRNA with a reported E value of zero. An E value of zero indicates there is, for all

practical purposes, no chance that the similarity was random based on the length of the sequence and the composition and size of the database. This sequence, cataloged by accession number NM_002310, is much longer than the sequence of clone 40H12 and has a poly-A tail. This indicated that the sequence cataloged by accession number NM_002310 is the sense strand and a more complete representation of the mRNA than the sequence of clone 40H12, especially at the 3' end. Accession number "NM_002310" was included in a text file of accession numbers representing sense strand mRNAs, and sequences for the sense strand mRNAs were obtained by uploading a text file containing desired accession numbers as an Entrez search query using the Batch Entrez web interface and saving the results locally as a FASTA file. The following sequence was obtained, and the region of alignment of clone 40H12 is outlined:

CTCTCTCCCAGAACGTGTCTCTGCTGCAAGGCACCGGGCCCTTTCGCTCTGCAGAACTGC ACTTGCAAGACCATTATCAACTCCTAATCCCAGCTCAGAAAGGGAGCCTCTGCGACTCAT TCATCGCCCTCCAGGACTGACTGCATTGCACAGATGATGGATATTTACGTATGTTTGAAA CGACCATCCTGGATGGTGGACAATAAAAGAATGAGGACTGCTTCAAATTTCCAGTGGCTG TTATCAACATTTATTCTTCTATATCTAATGAATCAAGTAAATAGCCAGAAAAAGGGGGCCT CCTCATGATTTGAAGTGTGTAACTAACAATTTGCAAGTGTGGAACTGTTCTTGGAAAGCA CCCTCTGGAACAGGCCGTGGTACTGATTATGAAGTTTGCATTGAAAACAGGTCCCGTTCT TGTTATCAGTTGGAGAAAACCAGTATTAAAATTCCAGCTCTTTCACATGGTGATTATGAA ATAACAATAAATTCTCTACATGATTTTGGAAGTTCTACAAGTAAATTCACACTAAATGAA CAAAACGTTTCCTTAATTCCAGATACTCCAGAGATCTTGAATTTGTCTGCTGATTTCTCA ACCTCTACATTATACCTAAAGTGGAACGACAGGGGTTCAGTTTTTCCACACCGCTCAAAT GTTATCTGGGAAATTAAAGTTCTACGTAAAGAGAGTATGGAGCTCGTAAAATTAGTGACC CACAACACACTCTGAATGGCAAAGATACACTTCATCACTGGAGTTGGGCCTCAGATATG CCCTTGGAATGTGCCATTCATTTTGTGGAAATTAGATGCTACATTGACAATCTTCATTTT TCTGGTCTCGAAGAGTGGAGTGACTGGAGCCCTGTGAAGAACATTTCTTGGATACCTGAT TCTCAGACTAAGGTTTTTCCTCAAGATAAAGTGATACTTGTAGGCTCAGACATAACATTT TGTTGTGTGAGTCAAGAAAAGTGTTATCAGCACTGATTGGCCATACAAACTGCCCCTTG ATCCATCTTGATGGGGAAAATGTTGCAATCAAGATTCGTAATATTTCTGTTTCTGCAAGT AGTGGAACAAATGTAGTTTTTACAACCGAAGATAACATATTTGGAACCGTTATTTTTGCT GGATATCCACCAGATACTCCTCAACAACTGAATTGTGAGACACATGATTTAAAAGAAATT ATATGTAGTTGGAATCCAGGAAGGGTGACAGCGTTGGTGGGCCCACGTGCTACAAGCTAC ACTTTAGTTGAAAGTTTTTCAGGAAAATATGTTAGACTTAAAAGAGCTGAAGCACCTACA AACGAAAGCTATCAATTATTTCAAATGCTTCCAAATCAAGAAATATATAATTTTACT TTGAATGCTCACAATCCGCTGGGTCGATCACAATCAACAATTTTAGTTAATATAACTGAA AAAGTTTATCCCCATACTCCTACTTCATTCAAAGTGAAGGATATTAATTCAACAGCTGTT AAACTTTCTTGGCATTTACCAGGCAACTTTGCAAAGATTAATTTTTTATGTGAAATTGAA ATTAAGAAATCTAATTCAGTACAAGAGCAGCGGAATGTCACAATCAAAGGAGTAGAAAAT TCAAGTTATCTTGTTGCTCTGGACAAGTTAAATCCATACACTCTATATACTTTTCGGATT CGTTGTTCTACTGAAACTTTCTGGAAATGGAGCAAATGGAGCAATAAAAAACAACATTTA

ACAACAGAAGCCAGTCCTTCAAAGGGGCCTGATACTTGGAGAGAGTGGAGTTCTGATGGA AAAAATTTAATAATCTATTGGAAGCCTTTACCCATTAATGAAGCTAATGGAAAAATACTT TCCTACAATGTATCGTGTTCATCAGATGAGGAAACACAGTCCCTTTCTGAAATCCCTGAT CCTCAGCACAAAGCAGAGATACGACTTGATAAGAATGACTACATCATCAGCGTAGTGGCT AAAAATTCTGTGGGCTCATCACCACCTTCCAAAATAGCGAGTATGGAAATTCCAAATGAT GATCTCAAAATAGAACAAGTTGTTGGGATGGGAAAGGGGGATTCTCCTCACCTGGCATTAC TGCCTTATGGACTGGAGAAAAGTTCCCTCAAACAGCACTGAAACTGTAATAGAATCTGAT GAGTTTCGACCAGGTATAAGATATAATTTTTTCCTGTATGGATGCAGAAATCAAGGATAT CAATTATTACGCTCCATGATTGGATATATAGAAGAATTGGCTCCCATTGTTGCACCAAAT TTTACTGTTGAGGATACTTCTGCAGATTCGATATTAGTAAAATGGGAAGACATTCCTGTG GAAGAACTTAGAGGCTTTTTAAGAGGGATATTTGTTTTACTTTGGAAAAGGAGAAAGAGAC ACATCTAAGATGAGGGTTTTAGAATCAGGTCGTTCTGACATAAAAGTTAAGAATATTACT GACATATCCCAGAAGACACTGAGAATTGCTGATCTTCAAGGTAAAACAAGTTACCACCTG AAGGAAAATTCTGTGGGATTAATTATTGCCATTCTCATCCCAGTGGCAGTGGCTGTCATT GTTGGAGTGGTGACAAGTATCCTTTGCTATCGGAAACGAGAATGGATTAAAGAAACCTTC TACCCTGATATTCCAAATCCAGAAAACTGTAAAGCATTACAGTTTCAAAAGAGTGTCTGT GAGGGAAGCAGTGCTCTTAAAACATTGGAAATGAATCCTTGTACCCCAAATAATGTTGAG GTTCTGGAAACTCGATCAGCATTTCCTAAAATAGAAGATACAGAAATAATTTCCCCAGTA GCTGAGCGTCCTGAAGATCGCTCTGATGCAGAGCCTGAAAACCATGTGGTTGTGTCCTAT TGTCCACCCATCATTGAGGAAGAAATACCAAACCCAGCCGCAGATGAAGCTGGAGGGACT GCACAGGTTATTTACATTGATGTTCAGTCGATGTATCAGCCTCAAGCAAAACCAGAAGAA GAACAAGAAAATGACCCTGTAGGAGGGGCAGGCTATAAGCCACAGATGCACCTCCCCATT AATTCTACTGTGGAAGATATAGCTGCAGAAGAGGACTTAGATAAAACTGCGGGTTACAGA CCTCAGGCCAATGTAAATACATGGAATTTAGTGTCTCCAGACTCTCCTAGATCCATAGAC AGCAACAGTGAGATTGTCTCATTTGGAAGTCCATGCTCCATTAATTCCCGACAATTTTTG ATTCCTCCTAAAGATGAAGACTCTCCTAAATCTAATGGAGGAGGGTGGTCCTTTACAAAC AATAAGCTCTTACTGCTAGTGTTGCTACATCAGCACTGGGCATTCTTGGAGGGATCCTGT GAAGTATTGTTAGGAGGTGAACTTCACTACATGTTAAGTTACACTGAAAGTTCATGTGCT TTTAATGTAGTCTAAAAGCCAAAGTATAGTGACTCAGAATCCTCAATCCACAAAACTCAA GATTGGGAGCTCTTTGTGATCAAGCCAAAGAATTCTCATGTACTCTACCTTCAAGAAGCA ${\tt TTTCAAGGCTAATACCTACTTGTACGTACATGTAAAACAAATCCCGCCGCAACTGTTTTC}$ TGTTCTGTTGTTGTGTTTTCTCATATGTATACTTGGTGGAATTGTAAGTGGATTTGCA GGCCAGGGAGAAAATGTCCAAGTAACAGGTGAAGTTTATTTGCCTGACGTTTACTCCTTT CTAGATGAAAACCAAGCACAGATTTTAAAACTTCTAAGATTATTCTCCTCTATCCACAGC ATTCACAAAAATTAATATATTTTTAATGTAGTGACAGCGATTTAGTGTTTTGATA AAGTATGCTTATTTCTGTGCCTACTGTATAATGGTTATCAAACAGTTGTCTCAGGGGTAC AAACTTTGAAAACAAGTGTGACACTGACCAGCCCAAATCATAATCATGTTTTCTTGCTGT GTTGGTTGCCCTAATATTTAAAATTTACACTTCTAAGACTAGAGACCCACATTTTTTAAA ${ t AATCATTTATTTTGTGATACAGTGACAGCTTTATATGAGCAAATTCAATATTATTCATA}$ AGCATGTAATTCCAGTGACTTACTATGTGAGATGACTACTAAGCAATATCTAGCAGCGTT ${ t GCTACCCAGGCAGTGGTGATCTTTGACACCTTCTGGTGGATGTTCCTCCCACTCATGAGT$ CTTTTCATCATGCCACATTATCTGATCCAGTCCTCACATTTTTAAATATAAAACTAAAGA

[0582] The FASTA file, including the sequence of NM_002310, was masked using the RepeatMasker web interface (Smit, AFA & Green, P RepeatMasker at http://ftp.genome.washington.edu/RM/RepeatMasker.html, Smit and Green). Specifically, during masking, the following types of sequences were replaced with "N's": SINE/MIR & LINE/L2, LINE/L1, LTR/MaLR, LTR/Retroviral, Alu, and other low informational content sequences such as simple repeats. Below is the sequence following masking:

TCTTGGATACCTGATTCTCAGACTAAGGTTTTTCCTCAAGATAAAGTGATACTTGTAGG CTCAGACATAACATTTTGTTGTGTGAGTCAAGAAAAGTGTTATCAGCACTGATTGGCC ATACAAACTGCCCCTTGATCCATCTTGATGGGGAAAATGTTGCAATCAAGATTCGTAAT ATTTCTGTTTCTGCAAGTAGTGGAACAAATGTAGTTTTTACAACCGAAGATAACATATT TGGAACCGTTATTTTTGCTGGATATCCACCAGATACTCCTCAACAACTGAATTGTGAGA CACATGATTTAAAAGAAATTATATGTAGTTGGAATCCAGGAAGGGTGACAGCGTTGGTG GGCCCACGTGCTACAAGCTACACTTTAGTTGAAAGTTTTTCAGGAAAATATGTTAGACT TAAAAGAGCTGAAGCACCTACAAACGAAAGCTATCAATTATTATTTCAAATGCTTCCAA ATCAAGAATATATATTTTACTTTGAATGCTCACAATCCGCTGGGTCGATCACAATCA GAAGGATATTAATTCAACAGCTGTTAAACTTTCTTGGCATTTACCAGGCAACTTTGCAA AGATTAATTTTTTTTGTGAAATTGAAATTAAGAAATCTAATTCAGTACAAGAGCAGCGG AATGTCACAATCAAAGGAGTAGAAAATTCAAGTTATCTTGTTGCTCTGGACAAGTTAAA TCCATACACTCTATATACTTTTCGGATTCGTTGTTCTACTGAAACTTTCTGGAAATGGA GCAAATGGAGCAATAAAAACAACATTTAACAACAGAAGCCAGTCCTTCAAAGGGGCCT GATACTTGGAGAGAGTTGGATGGAAAAAATTTAATAATCTATTGGAAGCCTTT ACCCATTAATGAAGCTAATGGAAAAATACTTTCCTACAATGTATCGTGTTCATCAGATG AGGAAACACAGTCCCTTTCTGAAATCCCTGATCCTCAGCACAAAGCAGAGATACGACTT GATAAGAATGACTACATCATCAGCGTAGTGGCTAAAAATTCTGTGGGCTCATCACCACC TTCCAAAATAGCGAGTATGGAAATTCCAAATGATGATCTCAAAATAGAACAAGTTGTTG GGATGGGAAAGGGGATTCTCCTCACCTGGCATTACGACCCCAACATGACTTGCGACTAC GTCATTAAGTGGTGTAACTCGTCTCGGTCGGAACCATGCCTTATGGACTGGAGAAAAGT TCCCTCAAACAGCACTGAAACTGTAATAGAATCTGATGAGTTTCGACCAGGTATAAGAT ATAATTTTTCCTGTATGGATGCAGAAATCAAGGATATCAATTATTACGCTCCATGATT GGATATATAGAAGAATTGGCTCCCATTGTTGCACCAAATTTTACTGTTGAGGATACTTC TGCAGATTCGATATTAGTAAAATGGGAAGACATTCCTGTGGAAGAACTTAGAGGCTTTT TAAGAGGATATTTGTTTTACTTTGGAAAAGGAGAAAGAGACACATCTAAGATGAGGGTT TTAGAATCAGGTCGTTCTGACATAAAAGTTAAGAATATTACTGACATATCCCAGAAGAC ACTGAGAATTGCTGATCTTCAAGGTAAAACAAGTTACCACCTGGTCTTGCGAGCCTATA CAGATGGTGGAGTGGCCCCGGAGAAGGATATGTATGTGGTGACAAAGGAAAATTCTGTG GGATTAATTATTGCCATTCTCATCCCAGTGGCAGTGGCTGTCATTGTTGGAGTGGTGAC AAGTATCCTTTGCTATCGGAAACGAGAATGGATTAAAGAAACCTTCTACCCTGATATTC

CAAATCCAGAAAACTGTAAAGCATTACAGTTTCAAAAGAGTGTCTGTGAGGGAAGCAGT GCTCTTAAAACATTGGAAATGAATCCTTGTACCCCAAATAATGTTGAGGTTCTGGAAAC TCGATCAGCATTTCCTAAAATAGAAGATACAGAAATAATTTCCCCAGTAGCTGAGCGTC CTGAAGATCGCTCTGATGCAGAGCCTGAAAACCATGTGGTTGTGTCCTATTGTCCACCC ATCATTGAGGAAGAATACCAAACCCAGCCGCAGATGAAGCTGGAGGGACTGCACAGGT TATTTACATTGATGTTCAGTCGATGTATCAGCCTCAAGCAAAACCAGAAGAAGAACAAG AAAATGACCCTGTAGGAGGGCAGGCTATAAGCCACAGATGCACCTCCCCATTAATTCT ACTGTGGAAGATATAGCTGCAGAAGAGGACTTAGATAAAACTGCGGGTTACAGACCTCA GGCCAATGTAAATACATGGAATTTAGTGTCTCCAGACTCTCCTAGATCCATAGACAGCA ACAGTGAGATTGTCTCATTTGGAAGTCCATGCTCCATTAATTCCCGACAATTTTTGATT CCTCCTAAAGATGAAGACTCTCCTAAATCTAATGGAGGAGGGTGGTCCTTTACAAACTT ATAAGCTCTTACTGCTAGTGTTGCTACATCAGCACTGGGCATTCTTGGAGGGATCCTGT GAAGTATTGTTAGGAGGTGAACTTCACTACATGTTAAGTTACACTGAAAGTTCATGTGC TTTTAATGTAGTCTAAAAGCCAAAGTATAGTGACTCAGAATCCTCAATCCACAAAACTC AAGATTGGGAGCTCTTTGTGATCAAGCCAAAGAATTCTCATGTACTCTACCTTCAAGAA GCATTTCAAGGCTAATACCTACTTGTACGTACATGTAAAACAAATCCCGCCGCAACTGT ${\tt TTTCTGTTCTGTTGTTGTGGTTTTCTCATATGTATACTTGGTGGAATTGTAAGTGGAT$ TTGCAGGCCAGGGAGAAAATGTCCAAGTAACAGGTGAAGTTTATTTGCCTGACGTTTAC TCCTTTCTAGATGAAAACCAAGCACAGATTTTAAAACCTTCTAAGATTATTCTCCTCTAT CCACAGCATTCACNNNNNNNNNNNNNNNNNNNNNNNGTAGTGACAGCGATTTAGTGTTTT GTTTGATAAAGTATGCTTATTTCTGTGCCTACTGTATAATGGTTATCAAACAGTTGTCT CAGGGGTACAAACTTTGAAAACAAGTGTGACACTGACCAGCCCAAATCATAATCATGTT CCATTATTTCAGTTGGTTGCCCTAATATTTAAAATTTACACTTCTAAGACTAGAGACCC ACATTTTTTAAAAATCATTTTATTTTGTGATACAGTGACAGCTTTATATGAGCAAATTC AATATTATTCATAAGCATGTAATTCCAGTGACTTACTATGTGAGATGACTACTAAGCAA TATCTAGCAGCGTTAGTTCCATATAGTTCTGATTGGATTTCGTTCCTCCTGAGGAGACC ATGCCGTTGAGCTTGGCTACCCAGGCAGTGGTGATCTTTGACACCTTCTGGTGGATGTT CCTCCCACTCATGAGTCTTTTCATCATGCCACATTATCTGATCCAGTCCTCACATTTTT AAATATAAAACTAAAGAGAGAATGCTTCTTACAGGAACAGTTACCCAAGGGCTGTTTCT

[0583] The length of this sequence was determined using batch, automated computational methods and the sequence, as sense strand, its length, and the desired location of the probe sequence near the 3' end of the mRNA was submitted to Array Designer Ver 1.1 (Premier Biosoft International, Palo Alto, CA). Search quality was set at 100%, number of best probes set at 1, length range set at 50 base pairs, Target Tm set at 75 C. degrees plus or minus 5 degrees, Hairpin max deltaG at 6.0 -kcal/mol., Self dimmer max deltaG at 6.0 -kcal/mol, Run/repeat (dinucleotide) max length set at 5, and Probe site minimum overlap set at 1. When none of the 49 possible probes met the criteria, the probe site would be moved 50 base pairs closer to the 5' end of the sequence and resubmitted to Array Designer for analysis. When no possible probes met the criteria, the variation on melting temperature was raised to plus and minus 8 degrees and the number of identical basepairs in a run increased to 6 so that a probe sequence was produced.

[0584] In the sequence above, using the criteria noted above, Array Designer Ver 1.1 designed a probe corresponding to oligonucleotide number 2280 in Table 8 and is indicated by underlining in the sequence above. It has a melting temperature of 68.4 degrees Celsius and a max run of 6 nucleotides and represents one of the cases where the

criteria for probe design in Array Designer Ver 1.1 were relaxed in order to obtain an oligonucleotide near the 3' end of the mRNA (Low melting temperature was allowed). Clone 463D12

UniGene databases at NCBI using the BLAST search tool. The sequence matched accession number AI184553, an EST sequence with the definition line "qd60a05.x1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1733840 3' similar to gb:M29550 PROTEIN PHOSPHATASE 2B CATALYTIC SUBUNIT 1 (HUMAN);, mRNA sequence." The E value of the alignment was 1.00×10^{-118} . The GenBank sequence begins with a poly-T region, suggesting that it is the antisense strand, read 5' to 3'. The beginning of this sequence is complementary to the 3' end of the mRNA sense strand. The accession number for this sequence was included in a text file of accession numbers representing antisense sequences. Sequences for antisense strand mRNAs were obtained by uploading a text file containing desired accession numbers as an Entrez search query using the Batch Entrez web interface and saving the results locally as a FASTA file. The following sequence was obtained, and the region of alignment of clone 463D12 is outlined:

GAAAAACATTGTTATTAATGAAGGGAACCCCTGACGTTTGACCTTTTCTGTACCATCTA
TAGCCCTGGACTTGA (SEQ ID NO: 8829)

[0586] The FASTA file, including the sequence of AA184553, was then masked using the RepeatMasker web interface, as shown below. The region of alignment of clone 463D12 is outlined.

NNNGAGAAGGAATATTGGGTTACAATCTGAATTTCTCTTTTATGATTTCTCTTAAAGTAT AGAACAGCTATTAAAATGACTAATATTGCTAAAATGAAGGCTACTAAATTTCCCCAAGA ATTTCGGTGGAATGCCCAAAAATGGTGTTAAGATATGCAGAAGGGCCCATTTCAAGCAA ATCCAACAGCTGAAGACATTGGGCTATTTATAAATCTTCTCCCAGTCCCCCAGACAGCC TCACATGGGGGCTGTAAACAGCTAACTAAAATATCTTTGAGACTCTTATGTCCACACCC ACTGACACAAGGAGAGCTGTAACCACAGTGAAACTAGACTTTGCTTTCCTTTAGCAAGT NNNNNNNNNNNNCCTTTTTCTCCAACAAACGGTAAAGACCACGTGAAGACATCCATA AAATTAGGCAACCAGTAAAGATGTGGAGAACCAGTAAACTGTCGAAATTCATCACATTA TTTTCATACTTTAATACAGCAGCTTTAATTATTGGAGAACATCAAAGTAATTAGGTGCC GAAAAACATTGTTATTAATGAAGGGAACCCCTGACGTTTGACCTTTTCTGTACCATCTA TAGCCCTGGACTTGA Masked version of 463D12 sequence. (SEQ ID NO:8830)

[0587] The sequence was submitted to Array Designer as described above, however, the desired location of the probe was indicated at base pair 50 and if no probe met the criteria, moved in the 3' direction. The complementary sequence from Array Designer was used, because the original sequence was antisense. The oligonucleotide designed by Array Designer corresponds to oligonucleotide number 4342 in Table 8 and is complementary to the underlined sequence above. The probe has a melting temperature of 72.7 degrees centigrade and a max run of 4 nucleotides. Clone 72D4

[0588] Clone 72D4 was sequenced and compared to the nr, dbEST, and UniGene databases at NCBI using the BLAST search tool. No significant matches were found in any of these databases. When compared to the human genome draft, significant alignments were found to three consecutive regions of the reference sequence NT_008060, as depicted below, suggesting that the insert contains three spliced exons of an unidentified gene.

[0589] Residue numbers on Matching residue

clone 72D4 sequence	numbers on NT 008060
1 – 198	478646 – 478843
197 – 489	479876 – 480168
491 – 585	489271 – 489365

[0590] Because the reference sequence contains introns and may represent either the coding or noncoding strand for this gene, BioCardia's own sequence file was used to design the oligonucleotide. Two complementary probes were designed to ensure that the sense strand was represented. The sequence of the insert in clone 72D4 is shown below, with the three putative exons outlined.

CCAGATGTGCGTGTTGTGGTCCCCAAGTATCACCTTCCAATTTCTGGGAGCA GTGCTCTGGCCGGATCCTTGCCGCGCGGATAAAAAC (SEQ ID NO: 8445)

[0591] The sequence was submitted to RepeatMasker, but no repetitive sequences were found. The sequence shown above was used to design the two 50-mer probes using Array Designer as described above. The probes are shown in bold typeface in the sequence depicted below. The probe in the sequence is oligonucleotide number 6415 (SEQ ID NO: 6415) in Table 8 and the complementary probe is oligonucleotide number 6805 (SEQ ID NO:6805).

CAGGTCACACAGCACATCAGTGGCTACATGTGAGCTCAGACCTGGGTCTGCTGTCT
GTCTTCCCAATATCCATGACCTTGACTGATGCAGGTGTCTAGGGATACGTCCATCCCCG
TCCTGCTGGAGCCCAGAGCACGGAAGCCTGGCCCTCCGAGGAGACAGAAGGGAGTGTCG
GACACCATGACGAGAGCTTGGCAGAATAAATAACTTCTTTAAACAATTTTACGGCATGA
AGAAATCTGGACCAGTTTATTAAATGGGATTTCTGCCACAAACCTTGGAAGAATCACAT
CATCTTANNCCCAAGTGAAAACTGTGTTGCGTAACAAAGAACATGACTGCGCTCCACAC
ATACATCATTGCCCGGCGAGGCGGGACACAAGTCAACGACGGAACACTTGAGACAGGCC
TACAACTGTGCACGGGTCAGAAGCAAGTTTAAGCCATACTTGCTGCAGTGAGACTACAT
TTCTGTCTATAGAAGATACCTGACTTGATCTGTTTTCCAGCTCCAGTTCCCAGATGTGC
TTCTGTCTATAGAAGATACCTGACTTGATCTGTTTTTCAGCTCCAGTTCCCAGATGTGC

←---GTCAAGGGTCTACACG

GTGTTGTGGTCCCCAAGTATCACCTTCCAATTTCTGGGAG--→
CACAACACCAGGGGTTCATAGTGGAAGGTTAAAG-5'

CAGTGCTCTGGCCGGATCCTTGCCGCGCGGATAAAAACT---→

Confirmation of probe sequence

[0592] Following probe design, each probe sequence was confirmed by comparing the sequence against dbEST, the UniGene cluster set, and the assembled human genome using BLASTn at NCBI. Alignments, accession numbers, gi numbers,

UniGene cluster numbers and names were examined and the most common sequence used for the probe. The final probe set was compiled into Table 8.

Example 22 - Production of an array of 8000 spotted 50mer oligonucleotides

[0593] We produced an array of 8000 spotted 50mer oligonucleotides. Examples 20 and 21 exemplify the design and selection of probes for this array.

[0594] Sigma-Genosys (The Woodlands, TX) synthesized un-modified 50-mer oligonucleotides using standard phosphoramidite chemistry, with a starting scale of synthesis of 0.05 µmole (see, e.g., R. Meyers, ed. (1995) Molecular Biology and Biotechnology: A Comprehensive Desk Reference). Briefly, to begin synthesis, a 3' hydroxyl nucleoside with a dimethoxytrityl (DMT) group at the 5' end was attached to a solid support. The DMT group was removed with trichloroacetic acid (TCA) in order to free the 5'-hydroxyl for the coupling reaction. Next, tetrazole and a phosphoramidite derivative of the next nucleotide were added. The tetrazole protonates the nitrogen of the phosphoramidite, making it susceptible to nucleophilic attack. The DMT group at the 5'end of the hydroxyl group blocks further addition of nucleotides in excess. Next, the inter-nucleotide linkage was converted to a phosphotriester bond in an oxidation step using an oxidizing agent and water as the oxygen donor. Excess nucleotides were filtered out and the cycle for the next nucleotide was started by the removal of the DMT protecting group. Following the synthesis, the oligo was cleaved from the solid support. The oligonucleotides were desalted, resuspended in water at a concentration of 100 or 200 μM, and placed in 96-deep well format. The oligonucleotides were re-arrayed into Whatman Uniplate 384-well polyproylene V bottom plates. The oligonucleotides were diluted to a final concentration 30 µM in 1X Micro Spotting Solution Plus (Telechem/arrayit.com, Sunnyvale, CA) in a total volume of 15 µl. In total, 8,031 oligonucleotides were arrayed into twenty-one 384-well plates.

[0595] Arrays were produced on Telechem/arrayit.com Super amine glass substrates (Telechem/arrayit.com), which were manufactured in 0.1 mm filtered clean room with exact dimensions of 25x76x0.96 mm. The arrays were printed using the Virtek Chipwriter with a Telechem 48 pin Micro Spotting Printhead. The Printhead was

loaded with 48 Stealth SMP3B TeleChem Micro Spotting Pins, which were used to print oligonucleotides onto the slide with the spot size being 110-115 microns in diameter.

Example 23- Amplification, labeling, and hybridization of total RNA to an oligonucleotide microarray

Amplification, labeling, hybridization and scanning

[0596] Samples consisting of at least 2 μg of intact total RNA were further processed for array hybridization. Amplification and labeling of total RNA samples was performed in three successive enzymatic reactions. First, a single-stranded DNA copy of the RNA was made (hereinafter, "ss-cDNA"). Second, the ss-cDNA was used as a template for the complementary DNA strand, producing double-stranded cDNA (hereinafter, "ds-cDNA, or cDNA"). Third, linear amplification was performed by in vitro transcription from a bacterial T₇ promoter. During this step, fluorescent-conjugated nucleotides were incorporated into the amplified RNA (hereinafter, "aRNA").

The first strand cDNA was produced using the Invitrogen kit (Superscript II). The first strand cDNA was produced in a reaction composed of 50 mM Tris-HCl (pH 8.3), 75 mM KCl, and 3 mM MgCl₂ (1x First Strand Buffer, Invitrogen), 0.5 mM dGTP, 0.5 mM dATP, 0.5 mM dTTP, 0.5 mM dCTP, 10 mM DTT, 10 U reverse transcriptase (Superscript II, Invitrogen, #18064014), 15 U RNase inhibitor (RNAGuard, Amersham Pharmacia, #27-0815-01), 5 μM T7T24 primer

[0598] For synthesis of the second cDNA strand, DNA polymerase and RNase were added to the previous reaction, bringing the final volume to 150 µl. The previous

contents were diluted and new substrates were added to a final concentration of 20 mM Tris-HCl (pH 7.0) (Fisher Scientific, Pittsburgh, PA #BP1756-100), 90 mMKCl (Teknova, Half Moon Bay, CA, #0313-500), 4.6 mM MgCl₂ (Teknova, Half Moon Bay, CA, #0304-500), 10 mM(NH₄) ₂SO₄ (Fisher Scientific #A702-500)(1x Second Strand buffer, Invitrogen), 0.266 mM dGTP, 0.266 mM dATP, 0.266 mM dTTP, 0.266 mM dCTP, 40 U *E. coli* DNA polymerase (Invitrogen, #18010-025), and 2 U RNaseH (Invitrogen, #18021-014). The second strand synthesis took place at 16°C for 120 minutes.

[0599] Following second-strand synthesis, the ds-cDNA was purified from the enzymes, dNTPs, and buffers before proceeding to amplification, using phenol-chloroform extraction followed by ethanol precipitation of the cDNA in the presence of glycogen.

[0600] Alternatively, a silica-gel column is used to purify the cDNA (e.g. Qiaquick PCR cleanup from Qiagen, #28104). The cDNA was collected by centrifugation at $>10,000 \times g$ for 30 minutes, the supernatant is aspirated, and 150 μ l of 70% ethanol, 30% water was added to wash the DNA pellet. Following centrifugation, the supernatant was removed, and residual ethanol was evaporated at room temperature.

Linear amplification of the cDNA was performed by in vitro transcription of the cDNA. The cDNA pellet from the step described above was resuspended in 7.4 μl of water, and in vitro transcription reaction buffer was added to a final volume of 20 μl containing 7.5 mM GTP, 7.5 mM ATP, 7.5 mM TTP, 2.25 mM CTP, 1.025 mM Cy3-conjugated CTP (Perkin Elmer; Boston, MA, #NEL-580), 1x reaction buffer (Ambion, Megascript Kit, Austin, TX and #1334) and 1 % T₇ polymerase enzyme mix (Ambion, Megascript Kit, Austin, TX and #1334). This reaction was incubated at 37°C overnight. Following in vitro transcription, the RNA was purified from the enzyme, buffers, and excess NTPs using the RNeasy kit from Qiagen (Valencia, CA; # 74106) as described in the vendor's protocol. A second elution step was performed and the two eluates were combined for a final volume of 60 μl. RNA is quantified using an Agilent 2100 bioanalyzer with the RNA 6000 nano LabChip.

[0602] Reference RNA was prepared as described above, except that 10 µg of total RNA was the starting material for amplification, and Cy5-CTP was incorporated

instead of Cy3CTP. Reference RNA from five reactions was pooled together and quantitated as described above.

Hybridization to an array

[0603] RNA was prepared for hybridization as follows: for an $18\text{mm} \times 55\text{mm}$ array, $20~\mu g$ of amplified RNA (aRNA) was combined with $20~\mu g$ of reference aRNA. The combined sample and reference aRNA was concentrated by evaporating the water to $5~\mu l$ in a vacuum evaporator. Five μl of 20~mM zinc acetate was added to the aRNA and the mix incubated at 60°C for 10~minutes to fragment the RNA into 50-200~bp pieces. Following the incubation, $40~\mu l$ of hybridization buffer was added to achieve final concentrations of $5\times\text{SSC}$ and 0.20~%SDS with $0.1~\mu g/\text{ul}$ of Cot-1 DNA (Invitrogen) as a competitor DNA. The final hybridization mix was heated to 98°C , and then reduced to 50°C at 0.1°C per second.

[0604] Alternatively, formamide is included in the hybridization mixture to lower the hybridization temperature.

[0605] The hybridization mixture was applied to the microarray surface, covered with a glass coverslip (Corning, #2935-246), and incubated in a humidified chamber (Telechem, AHC-10) at 62°C overnight. Following incubation, the slides were washed in 2×SSC, 0.1% SDS for two minutes, then in 2×SSC for two minutes, then in 0.2×SSC for two minutes. The arrays were spun at 1000×g for 2 minutes to dry them. The dry microarrays are then scanned by methods described above.

Example 24: Analysis of Human Transplant Patient Mononuclear cell RNA Hybridized to a 24,000 Feature Microarray.

[0606] Patients who had recently undergone cardiac transplant and were being monitored for rejection by biopsy were selected and enrolled in a clinical study, as described in Example 11. Blood was drawn from several patients and mononuclear cells isolated as described in Example 8. The rejection grade determined from the biopsy is presented in Table 9 for some of the patient samples. Four samples (14-0001-2, 14-0001-3, 14-0005-1 and 14-0005-2) from one center were selected for further examination. Two sets of paired samples were available that allowed comparison of severe rejection

(rejection grade 3A) to minimal or no rejection (rejection grade 1 or 0). These two groups are designated "high rejection grade" and "low rejection grade", respectively.

Additional RNA was isolated from the mononuclear cells of enrolled cardiac allograft recipients as described in Example 8. The yield of RNA from 8 ml of blood is shown in Table 9, below.

1 or 2 µg of total RNA was amplified by making cDNA copies using a T7T24 primer and subsequent in vitro transcription, as described in Example 23. This "target" amplified RNA was labeled by incorporation of Cy3-conjugated nucleotides, as described in Example 23. The amplified RNA was quantified by analysis at A260 on a spectrophotometer.

[0608] Hybridization to the 8,000 probe (24,000-feature) microarray (described in Examples 20-22) was performed essentially as described in Example 23. 20 μ g of amplified and labeled RNA was combined with 20 μ g of R50 reference RNA that was labeled and prepared as described in Example 9.

[0609] The sample and reference amplified and labeled RNAs were combined and fragmented at 95°C for 30 min, as described in Example 23. The fragmented RNA was mixed with 40 μl of hybridization solution (to bring the total to 50 μl) and applied to the 8,000-probe, 24,000-feature microarray and covered with a 21mm×60mm coverslip. The arrays were hybridized overnight and washed as described in Example 23.

[0610] Once hybridized and washed, the arrays were scanned as described in Example 23. The full image produced by the Agilent scanner G2565AA was flipped, rotated, and split into two images (one for each signal channel) using TIFFSplitter (Agilent, Palo Alto, CA). The two channels are the output at 532 nm (Cy3-labeled sample) and 633 nm(Cy5-labeled R50). The individual images were loaded into GenePix 3.0 (Axon Instruments, Union City, CA) and the software was used to determine the median pixel intensity for each feature (F_i) and the median pixel intensity of the local background for each feature (B_i) in both channels. The standard deviation (SDF_{i and} SDB_i) for each is also determined. Features for which GenePix could not discriminate the feature from the background were "flagged", and the data were deleted from further consideration.

[0611] From the remaining data, the following calculations were performed.

$$S/N = \frac{F_i - B_i}{SDB_i}$$

[0613] All features with a S/N less than 3 in either channel were removed from further consideration. All features that did not have GenePix flags and passed the S/N test were considered usable features. The background-subtracted signal (hereinafter, "BGSS") was calculated for each usable feature in each channel (BGSS_i=F_i-B_i).

[0614] The BGSS was used for the scaling step within each channel. The median BGSS for all usable features was calculated. The BGSS_i for each feature was divided by the median BGSS. The median BGSS for the scaled data then became 1 for each channel on each array. This operation did not change the distribution of the data, but did allow each to be directly compared

[0615] The scaled $BGSS_i$ (S_i) for each feature was used to calculate the ratio of the Cy3 to the Cy5 signal:

$$R_n = \frac{Cy3S_i}{Cy5S_i}$$

[0616] The ratio data from the triplicate features were combined for each probe on the array. If all three features were still usable, their average was taken (R_p) and the coefficient of variation (hereinafter "CV") was determined. If the CV was less than 15%, the average was carried forward for that probe. If the CV was greater than 15% for the triplicate features, then the average of the two features with the closest R_n values were used. If there were only two usable features for a given probe, the average of the two features was used. If there was only one usable feature for a given probe, the value of that feature was used.

[0617] The logarithm of the average ratio was taken for each probe (log R_p). This value was used for comparison among arrays. For comparison of gene expression in high rejection grade patients to gene expression from low rejection grade patients, the average

was taken for each probe for hybridizations 107739 and 107741 (high rejection grades) and 107740 and 107742 (low rejection grades). Since there were only two patients, each with a change from high to low rejection grade, there should be less variability in the data than if all four samples were from different patients. The results of this comparison were plotted in Figure 9. The X-axis is the high rejection grade average (the average of each probe for hybridizations of samples from high rejection grade patients) and the Y-axis is the low rejection grade average. There was complete data for 5562 probes, all plotted in Figure 9. Each "point" in the graph corresponded to a probe on the microarray.

[0618] A "cluster" of points were shaded in white. Points within the cluster represented genes with expression that is not significantly changed from one sample group to the other. The far ends of the cluster corresponded to genes that are expressed at either low or high levels in each group.

[0619] Outlier points, corresponding to genes with differential expression between high and low rejection grade patients, were shaded black and are further described in Table 10. There was one point above the cluster (indicating that expression was relatively higher in the low rejection grade than in the low rejection grade), and 7 points below the cluster (indicating that expression was relatively higher in the high rejection grade than in the low rejection grade).

[0620] Many of the differentially expressed genes had unknown or poorly described functions. One, corresponding to probe number 8091, was known in the public databases only as a predicted mRNA and protein.

Using the data from samples 107739 (Grade 3A rejection) and 107742 (Grade 0), a scaled ratio of sample (Cy3) to reference (Cy5) expression was determined using the same techniques. The ratio of was taken of these scaled ratios, denoted "the ratio of scaled ratios (hereinafter, "SR"). Replicate features were not combined and all probes with S/N < 3 in either channel were filtered out. Some probes with differential expression between these two samples are shown in Figure 10. In this Figure, the probes are sorted from the top to the bottom by relative expression in the first grade 0 sample vs grade 3A (ratio of SRs, grade 0/3A).

[0622] Diagnostic accuracy for sample classification is determined using additional samples and suitable methods for correlation analysis.

[0623] Comparing Figure 10 and Table 10, genes of particular interest include those corresponding to SEQ ID NO:2476, SEQ ID NO: 2407, SEQ ID NO:2192, SEQ ID NO: 2283, SEQ ID NO:6025, SEQ ID NO: 4481, SEQ ID NO:3761, SEQ ID NO: 3791, SEQ ID NO:4476, SEQ ID NO: 4398, SEQ ID NO:7401, SEQ ID NO: 1796, SEQ ID NO:4423, SEQ ID NO: 4429, SEQ ID NO:4430, SEQ ID NO: 4767, SEQ ID NO:4829 and SEQ ID NO: 8091.

Table 1

Table 1 Disease Classification	Disease/Patient Group			
Cardiovascular Disease	Atherosclerosis			
	Unstable angina			
	Myocardial Infarction			
	Restenosis after angioplasty			
	Congestive Heart Failure			
	Myocarditis			
	Endocarditis			
	Endothelial Dysfunction			
	Cardiomyopathy Cardiomyopathy			
	Cardiovascular drug use			
Endocrine Disease	Diabetes Mellitus I and II			
•	Thyroiditis			
	Addisson's Disease			
Infectious Disease	Hepatitis A, B, C, D, E, G			
	Malaria			
	Tuberculosis			
	HIV			
	Pneumocystis Carinii			
	Giardia			
	Toxoplasmosis			
	Lyme Disease			
	Rocky Mountain Spotted Fever			
	Cytomegalovirus			
	Epstein Barr Virus			
	Herpes Simplex Virus			
	Clostridium Dificile Colitis			
	Meningitis (all organisms)			
	Pneumonia (all organisms)			
	Urinary Tract Infection (all organisms)			
	Infectious Diarrhea (all organisms)			
	Anti-infectious drug use			
Angiogenesis	Pathologic angiogenesis			
	Physiologic angiogenesis			
	Treatment induced angiogenesis			
	Pro or anti-angiogenic drug use			
Inflammatory/Rheumatic	Rheumatoid Arthritis			
	Systemic Lupus Erythematosis			
	Sjogrens Disease			
	CREST syndrome			
	Scleroderma			
	Ankylosing Spondylitis			
	Crohn's Ulcerative Colitis			
<u></u>	Primary Sclerosing Cholangitis			

Table 1 (continued)

Table 1 (continued) Disease Classification	Disease/Patient Group
Inflammatory/Rheumatic	Appendicitis
•	Diverticulitis
	Primary Biliary Sclerosis
	Wegener's Granulomatosis
	Polyarteritis nodosa
	Whipple's Disease
	Psoriasis
	Microscopic Polyanngiitis
	Takayasu's Disease
	Kawasaki's Disease
	Autoimmune hepatitis
	Asthma
	Churg-Strauss Disease
	Beurger's Disease
	Raynaud's Disease
	Cholecystitis
	Sarcoidosis
	Aspestosis
	Pneumoconioses
	Antinflammatory drug use
Transplant Rejection	Heart
•	Lung
	Liver
	Pancreas
	Bowel
	Bone Marrow
	Stem Cell
	Graft versus host disease
	Transplant vasculopathy
	Skin
	Cornea
	Immunosupressive drug use
Malignant Disorders	Leukemia
	Lymphoma
	Carcinoma
	Sarcoma
Neurological Disease	Alzheimer's Dementia
	Pick's Disease
	Multiple Sclerosis
	Guillain Barre Syndrome
	Peripheral Neuropathy

Table 2: Candidate genes, Database mining

Unigene clusters are listed.

Cluster numbers are defined as in Unigene build #133 uploaded on: Fri Apr 20 2001

Cluster numbers are defined as in Unige		uploaded on: Fri Apr 20 2001	
CD50	Hs.99995	Homo sapiens cAMP responsive element	Hs.79194
		binding protein 1 (CREB1) mRNA.	
CD70 = CD27L	<u>Hs.99899</u>	Nucleolin (NCL)	Hs.79110
MDC	Hs.97203	MAPK14	Hs.79107
CD3z	Hs.97087	CD100	Hs.79089
CD19	Hs.96023	OX-2	Hs.79015
	Hs.95388	PCNA	Hs.78996
CD3d	Hs.95327		Hs.78909
	Hs.9456	GRO-a	Hs.789
interleukin 6	Hs.93913	CDw32A	Hs.78864
phospholipaseA2	Hs.93304	H.sapiens mRNA for herpesvirus associated	
		ubiquitin-specific protease (HAUSP).	
Human mRNA for KIAA0128 gene, partial	Hs.90998	CD41b = LIBS1	<u>Hs.785</u>
cds.	<u> </u>		
CD48	<u>Hs.901</u>	ANXA1 (LPC1)	Hs.78225
heat shock 70kD protein 1A	Hs.8997	CD31	Hs.78146
TxA2 receptor	<u>Hs.89887</u>	Homo sapiens TERF1 (TRF1)-interacting nuclear factor 2 (TINF2), mRNA.	Hs.7797
fragile X mental retardation protein (FMR-1)	Hs.89764	major histocompatibility complex, class I, B	Hs.77961
CD20	Hs.89751	LOX1	Hs.77729
ENA-78	Hs.89714	major histocompatibility complex, class II,	Hs.77522
211170	115.05714	DM alpha	113.77322
IL-2	Hs.89679	CD64	Hs.77424
CD79b	Hs.89575	CD71	Hs.77356
CD2	Hs.89476	<u>CD/1</u>	Hs.77054
SDF-1=CXCR4	Hs.89414	HLA-DRA	Hs.76807
CD61	Hs.87149	CD105	Hs.76753
IFN-g	Hs.856	CD103	Hs.76691
CD34	Hs.85289	TNF-alpha	Hs.76507
CD104	Hs.85266	LCP1	Hs.76506
CD8	Hs.85258	TMSB4X	Hs.75968
IGF-1	Hs.85112	PAI2	Hs.75716
CD103	Hs.851	MIP-1b	
IL-13	Hs.845	CD58	Hs.75703
RPA1	Hs.84318		Hs.75626
CD74	Hs.84298	CD36	Hs.75613
CD132	Hs.84 Hs.84	hnRNP A2 / hnRNP B1	Hs.75598
CD18	Hs.83968	CD124 MIP-3a	Hs.75545
Cathepsin K	Hs.83942	beta-2-microglobulin	Hs.75498
CD80		FPR1	Hs.75415
CD46	Hs.838		Hs.753
NFKB1	Hs.83532 Hs.83428	Topo2B interleukin enhancer binding factor 2, 45kD	Hs.75248 Hs.75117
IL-18	Hs.83077	chloride intracellular channel 1	Hs.74276
interleukin 14	Hs.83004	EGR3	Hs.74088
L-selectin = CD62L	Hs.82848	MIP-1a	Hs.73817
CD107b	Hs.8262	CD62P = p-selectin	Hs.73800
CD69	Hs.82401	CD21	1=-0.7000

Table 2: Candidate genes, Database mining

lopes	
CD95	Hs.82359
CD53	Hs.82212
Human lymphocyte specific interferon	Hs.82132
regulatory factor/interferon regulatory factor	
4 (LSIRF/IRF4) mRNA, complete cds.	
IL-16	Hs.82127
DUT	Hs.82113
CDw121a	Hs.82112
PAI-1	Hs.82085
TGF-bR2	Hs.82028
CD117	Hs.81665
HLA-DPB1	Hs.814
NFKBIA	Hs.81328
<u>CD6</u>	Hs.81226
IL-1 RA	Hs.81134
UBE2B (RAD6B)	Hs.811
Lyn	Hs.80887
STAT4	Hs.80642
UBE2A (RAD6A)	Hs.80612
Fractalkine	Hs.80420
IK cytokine, down-regulator of HLA II	Hs.8024
	Hs.79933
CD79a	Hs.79630
	Hs.7942
nuclear factor, interleukin 3 regulated	Hs.79334
CD83	Hs.79197
DC-CK1	Hs.16530
CCR7	Hs.1652
TLR4	Hs.159239
EST	Hs.158975
EST	Hs.158966
EST	Hs.158965
EST	Hs.158943
EST	Hs.158894
EST	Hs.158877
EST	Hs.157815
EST	Hs.157813
ESTs	Hs.157569
immunoglobulin kappa constant	Hs.156110

APE	Hs.73722
IL12Rb2	Hs.73165
NFKB2	Hs.73090
I-309	Hs.72918
immunoglobulin superfamily, member 4	Hs.70337
IL-3	Hs.694
N/PIII	Hs.6895
NTH1	Hs.66196
CD40L	Hs.652
IL-11R	Hs.64310
Homo sapiens toll-like receptor 2 (TLR2)	Hs.63668
mRNA. ferritin H chain	Hs.62954
IL8	Hs.624
Tissue Factor	
	Hs.62192
F-box only protein 7 CD5	Hs.5912 Hs.58685
guanine nucleotide binding protein (G	
- · · · · · · · · · · · · · · · · · · ·	<u>Hs.5662</u>
protein), beta polypeptide 2-like 1 SCYA11	Hs.54460
IK1	Hs.54452
CCR1	
Homo sapiens TRAIL receptor 2 mRNA,	Hs.516 Hs.51233
·	HS.31233
complete cds. CD11c	H- 61077
CD66a	Hs.51077
JAK1	Hs.50964 Hs.50651
Homo sapiens programmed cell death 4	Hs.100407
(PDCD4), mRNA.	HS.100407
SCYB13 (CXCL13)	Hs.100431
SMAD7	Hs.100602
	1.15.150002
RAD51L1 (RAD51B)	Hs.100669
,	
PPARG	Hs.100724
transcription factor 3 (E2A immunoglobulin	Hs.101047
enhancer binding factors E12/E47)	
-	
major histocompatibility complex, class I-	Hs.101840
like sequence	
immunoglobulin superfamily containing	Hs.102171
leucine-rich repeat	
CD166	Hs.10247
fibroblast tropomyosin TM30 (pl)	Hs.102824
interleukin 1 receptor-like 2	Hs.102865
GTF2H4	Hs.102910
	Hs.10326

Table 2: Candidate genes, Database mining

INPP5D	Hs.155939
C3AR1	Hs.155935
PRKDC	Hs.155637
MHC class II HLA-DRw53-associated	Hs.155122
glycoprotein CD73	Hs.153952
CD37	Hs.153053
CD31	113.133033
IFNAR1	Hs.1513
Homo sapiens solute carrier family 21	Hs.14805
(organic anion transporter), member 11 (SLC21A11), mRNA.	
EST	Hs.146627
SET translocation (myeloid leukemia-	Hs.145279
associated)	
EST	Hs.144119
ESTs	Hs.143534
STAT3	Hs.142258
CD96	Hs.142023
CD23	Hs.1416
EGR2	Hs.1395
CDw84	Hs.137548
<u>CD55</u>	<u>Hs.1369</u>
EST	Hs.135339
GM-CSF	Hs.1349
EST	Hs.133175
CD1a	Hs.1309
CD10	Hs.1298
HVEM	<u>Hs.129708</u>
C9	Hs.1290
C6	Hs.1282
C1R	Hs.1279
IL-1b	Hs.126256
CD9	Hs.1244
	Hs.12305
Homo sapiens Vanin 2 (VNN2) mRNA.	Hs.121102
Hsp10	Hs.1197
CD59	Hs.119663
(222	(220,11,000

Human ITAC (IBICK)	Hs.103982
novel protein with MAM domain	Hs.104311
ESTs, Weakly similar to interleukin	Hs.105125
enhancer binding factor 2 [H.sapiens]	
Homo sapiens clone 24686 mRNA	Hs.105509
sequence.	
	Hs.105532
Homo sapiens granulysin (GNLY),	Hs.105806
transcript variant 519, mRNA.	
CD77	Hs.105956
RD RNA-binding protein	Hs.106061
The 14 11 omang protein	225.7 0 0 0 0 1
	Hs.106673
	Hs.10669
	115.1000
Homo sapiens clone 24818 mRNA	Hs.106823
sequence.	113.100023
sequence.	Hs.106826
	Hs.10712
	115.10/12
	Hs.107149
hypothetical protein	Hs.10729
	Hs.1080
Tachykinin Receptor 1	Hs.108694
glycophorin A	Hs.108694
Histone H1x	IU9004
CD66d	Hs.11
interleukin 17	Hs.110040
	Hs.110131
major histocompatibility complex, class I, F	
imagor instocompationity complex, cass i, i	110.110309
REV1	Hs.110347
HCR	Hs.110746
	110.770710
VWF	Hs.110802
high affinity immunoglobulin epsilon	Hs.11090
receptor beta subunit	
interleukin 22 receptor	Hs.110915
interrenkin 22 receptor	Hs.110978
Homo sapiens ubiquitin specific protease 6	Hs.111065
(Tre-2 oncogene) (USP6), mRNA.	113.111005
(110-2 offogene) (OSFO), filletva.	Hs.111128
MMP2	Hs.111301
1411411 7	113.111001
major histocompatibility complex, class II,	Hs.11135
DN alpha	
LTBR	Hs.1116
DIDI	1210.1110

Table 2: Candidate genes, Database mining

CD51	Hs.118512	ESTs, Weakly similar to A41285	Hs.111941
	133.110312	interleukin enhancer-binding factor ILF-1	115.1117-11
	1	[H.sapiens]	
CD49a	Hs.116774	Homo sapiens STRIN protein (STRIN),	Hs.112144
		mRNA.	
CD72	Hs.116481	MSH5	Hs.112193
HLA-DMB	Hs.1162	TCRg	Hs.112259
MCP-4	Hs.11383		Hs.11307
	Hs.111554	CMKRL2	Hs.113207
ferritin L chain	Hs.111334	CCR8	Hs.113222
TGF-b	<u>Hs.1103</u>	LILRA3	Hs.113277
Homo sapiens ras homolog gene family, member H (ARHH), mRNA.	Hs.109918	Human CXCR-5 (BLR-1)	Hs.113916
lysosomal alpha-mannosidase (MANB)	Hs.108969	RAD51C	Hs.11393
	Hs.108327	myosin, heavy polypeptide 8, skeletal muscle, perinatal	Hs.113973
granzyme B	Hs.1051	CD42a	Hs.1144
HCC-4	Hs.10458	TNFRSF11A	Hs.114676
	Hs.10362		Hs.114931
	Hs.102630	MSH4	Hs.115246
	Hs.101382	Homo sapiens dendritic cell	Hs.115515
C4BPA	Hs.1012	immunoreceptor (DCIR), mRNA. REV3L (POLZ)	Hs.115521
		10.02(1022)	
CD125	<u>Hs.100001</u>	JAK2	Hs.115541
TERF2	Hs.100030	OPG ligand	Hs.115770
LIG3	Hs.100299	PCDH12	Hs.115897
	Hs.157489		Hs.166235
EST	Hs.157560	POLE1	Hs.166846
EST	Hs.157808	regulatory factor X, 5 (influences HLA class II expression)	Hs.166891
EST	Hs.157811	PIG-F (phosphatidyl-inositol-glycan class F)	Hs.166982
	Hs.158127	ESTs, Moderately similar to	Hs.167154
		ILF1_HUMAN INTERLEUKIN	
		ENHANCER-BINDING FACTOR 1	
		[H.sapiens]	
interleukin 18 receptor accessory protein	Hs.158315	HLA-DRB6	<u>Hs.167385</u>
CCR3	Hs.158324	ret finger protein-like 3	Hs.167751

Table 2: Candidate genes, Database mining

III DNA	Hs.158352	CD56	Hs.167988
Human DNA sequence from clone CTA-	HS.138332	<u>CD56</u>	HS.107988
390C10 on chromosome 22q11.21-12.1			
Contains an Immunoglobulin-like gene and			
a pseudogene similar to Beta Crystallin,	1		
ESTs, STSs, GSSs and taga and tat repeat			
polymorphisms	IX- 159576	RBT1	Hs.169138
ESTs	Hs.158576	RBTI	118.109130
	Hs.158874	APOE	Hs.169401
EST	Hs.158875		Hs.16944
EST	Hs.158876		Hs.169470
EST	Hs.158878	MMP12	Hs.1695
EST	Hs.158956	CD161	Hs.169824
EST	Hs.158967	tenascin XB	Hs.169886
EST	Hs.158969		Hs.170027
EST	Hs.158971		Hs.170150
EST	Hs.158988	C4A	Hs.170250
CD120a=TNFR-1	<u>Hs.159</u>	TP53BP1	Hs.170263
EST	Hs.159000	ESTs	Hs.170274
	Hs.159013	ESTs, Weakly similar to ALU1_HUMAN	Hs.170338
·		ALU SUBFAMILY J SEQUENCE	
•		CONTAMINATION WARNING	
		ENTRY□ [H.sapiens]	
EST	Hs.159025	ESTs	Hs.170578
EST	Hs.159059	EST	Hs.170579
IL18R1	Hs.159301	ESTs	Hs.170580
ftp-3	Hs.159494	EST	Hs.170581
CASP8	Hs.159651	ESTs	Hs.170583
EST	Hs.159655	EST	Hs.170586
EST	Hs.159660	EST	Hs.170588
EST	Hs.159678	EST	Hs.170589
kallikrein 12 (KLK12)	Hs.159679		Hs.170772
EST	Hs.159682	ESTs	Hs.170786
EST	Hs.159683	EST	Hs.170909
EST	Hs.159693	EST	Hs.170912
EST	Hs.159706	EST	Hs.170933
EST	Hs.159718	ESTs	Hs.171004
SPO11	Hs.159737	EST	Hs.171095
EST	Hs.159754	EST	Hs.171098
EST	Hs.160401	ESTs	Hs.171101
EST	Hs.160405	EST	Hs.171108
EST	Hs.160408	ESTs	Hs.171110
EST	Hs.160410	ESTs	Hs.171113
EST	Hs.160423	ESTS	Hs.171117
RPA3	Hs.1608	EST	Hs.171119
ESTs	Hs.160946	ESTs	Hs.171120
EST EST	Hs.160946	EST	Hs.171122
	Hs.160936 Hs.160978	EST	Hs.171123
ESTS			Hs.171124
EST	Hs.160980	EST	пз.1/1124

Table 2: Candidate genes, Database mining

EST	Hs.160981
EST	Hs.160982
EST	Hs.160983
Tachykinin Receptor 2	Hs.161305
RAD17 (RAD24)	Hs.16184
Human phosphatidylinositol 3-kinase	Hs.162808
catalytic subunit pl10delta mRNA,	
complete cds.	
Human alpha-1 Ig germline C-region	Hs.163271
membrane-coding region, 3' end	
GCP-2	Hs.164021
	Hs.164284
EST	Hs.164331
201	Hs.164427
	Hs.165568
ER	Hs.1657
EST, Highly similar to JM26 [H.sapiens]	Hs.165701
EST	Hs.165702
EST	Hs.165704
EST	Hs.165732
regulatory factor X, 3 (influences HLA class	
II expression)	
LIG4	Hs.166091
EIG (
TNFSF18	Hs.248197
1141 51 10	
EST	Hs.248228
H.sapiens rearranged gene for kappa	Hs.248756
immunoglobulin subgroup V kappa IV	
caspase 1, apoptosis-related cysteine	Hs.2490
protease (interleukin 1, beta, convertase)	1,1,1,1,1
EST	Hs.249031
TNFRSF10A	Hs.249190
immunoglobulin lambda variable 3-10	Hs.249208
Homo sapiens mRNA for single-chain	Hs.249245
antibody, complete cds	10.2.0
EST	Hs.250473
ESTs	Hs.250591
ESTS	Hs.250605
1013	Hs.25063
l	113.2000

EST	Hs.171140
EST	Hs.171216
EST	Hs.171260
ESTs	Hs.171264
RIP	Hs.171545
	110.17 1010
ESTs, Weakly similar to immunoglobulin	Hs.171697
superfamily member [D.melanogaster]	
CD22	Hs.171763
	Hs.171776
sema domain, immunoglobulin domain (Ig),	Hs.171921
short basic domain, secreted, (semaphorin)	
3C	
interleukin 11	Hs.1721
CD11b	Hs.172631
EST, Highly similar to APS [H.sapiens]	Hs.172656
ALK1	Hs.172670
ALKI	113.172070
	Hs.172674
CD123	Hs.172689
ESTs	Hs.172822
CollaI	Hs.172928
Conai	Hs.172998
	113.172770
	Hs.173081
myosin, heavy polypeptide 3, skeletal	Hs.173084
muscle, embryonic	
	Hs.173201
Mediterranean fever (MEFV)	Hs.173730
	Hs.173749
	113.173747
interleukin 1 receptor accessory protein	Hs.173880
EST, Weakly similar to RL13_HUMAN	Hs.174231
60S RIBOSOMAL PROTEIN L13	
[H.sapiens]	
EST	Hs.174242
	Hs 174300
EST	Hs.174300
	Hs.174300 Hs.174634
EST EST	
EST	Hs.174634

Table 2: Candidate genes, Database mining

149A16 on chromosome 22 Contains an GILC (Immunoglobulin Lambda Chain C) speeduogene, the RFPL3 gene for Ret finger protein-like 3, the RFPL3S gene for Ret finger protein-like 3 antisense, the gene for a novel Immunoglobulin Lambda Chain V family protein, the gene for a novel protein similar to mouse RGDS (RALGDS, RALGEF, Guanine Nucleotide Dissociation Stimulator A) and rabbit concepts RSC, the gene for a novel protein (ortholog of worm F16A11.2 and bacterial and archea-bacterial predicted proteins), the gene for a novel protein similar to BPI (Bacterial Permeability-Increasing Protein) and the 5' part of a novel gene. Contains ESTs, STSs, GSSs and three putative CpG islands ACE Hs.251398 Human DNA sequence from clone 1170K4 on chromosome 22q12.2-13.1. Contains three novel genes, one of which codes for a Typsin family protein with class A LDL receptor domains, and the IL2RB gene for Interleukin 2 Receptor, Beta (IL-2 Receptor, Classingen), Contains a putative CpG island, ESTs, and GSSs EST Hs.251549 EST Hs.251540 EST Hs.251540 EST Hs.251540 EST Hs.251540 EST Hs.251540 EST Hs.251541 EST Hs.175306 EST Hs.253154 EST Hs.251551 EST Hs.251551 EST Hs.251551 EST Hs.251565 Hs.253151 EST Hs.251565	Human DNA sequence from clone RP1-	Hs.250675	EST	Hs.174716
IGLC (Immunoglobulin Lambda Chain C) pseudogene, the RFPL3 gene for Ret finger protein-like 3 antisense, the gene for a novel Immunoglobulin Lambda Chain V family protein, the gene for a novel protein similar to mouse RGDS (RALGDS, RALGDS, RALGDS, RALGDS, Randier Nucleotide Dissociation Stimulator A) and rabbit oncogene RSC, the gene for a novel protein (ortholog of worm F16A11.2 and bacterial and archae-bacterial predicted proteins), the gene for a novel protein similar to BPI (Bacterial Permeability-Increasing Protein) and the 5' part of a novel gene. Contains ESTs, STSs, GSSs and three putative CpG islands ACE Hs.251311 HB.251342 Human DNA sequence from clone 1170K4 Hs.251349 Human DNA sequence from clone 1170K4 Hs.251349 Human DNA sequence from clone 1170K4 on chromosome 22q12.2-13.1. Contains three novel genes, one of which codes for a Trypsin family protein with class A LDL receptor domains, and the IL.2RB gene for Interleukin 2 Receptor, Beta (IL-2 Receptor, CD122 antigen). Contains a putative CpG island, ESTs, and GSSs EST Hs.251349 EST Hs.251340 EST Hs.251354 EST Hs.253367 IST, Weakly similar to RL13 HUMAN Hs.174780 60S RIBOSOMAL PROTEIN S2 Hs.253154 EST Hs.253155 EST Hs.253154 EST Hs.253155 EST Hs.253154 EST Hs.253155	_	113.230073	LS1	113.174710
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### ACE	, ,	1 1		
ACE	, .			
Hs. 251398 EST	15155, Coos and three putative epo islands			
Hs. 251398 EST				
Human DNA sequence from clone 1170K4 Hs.251417 EST				
on chromosome 22q12.2-13.1. Contains three novel genes, one of which codes for a Trypsin family protein with class A LDL receptor domains, and the IL2RB gene for Interleukin 2 Receptor, BL2RB gene for Interleukin 2 Receptor, BL2RB gene for Interleukin 2 Receptor, BL2RB gene for Interleukin 2 Receptor, Contains a putative CpG island, ESTs, and GSSs EST Hs.251539 EST Hs.251540 C3 Hs.251972 EST Hs.252273 EST Hs.252273 EST Hs.252273 EST Hs.252359 EST, Moderately similar to T2DT_HUMAN TRANSCRIPTION INITIATION FACTOR TFIID 105 KDA SUBUNIT [H.sapiens] EST, Moderately similar to RS2_HUMAN Hs.253150 40S RIBOSOMAL PROTEIN S2 [H.sapiens] EST Hs.253154 EST Hs.253154 EST Hs.253155 EST Hs.253155 EST Hs.253154 EST Hs.253155 EST Hs.175388	TREX2	Hs.251398	EST	Hs.174778
three novel genes, one of which codes for a Trypsin family protein with class A LDL receptor domains, and the IL2RB gene for Interleukin 2 Receptor, Beta (IL-2 Receptor, CD122 antigen). Contains a putative CpG island, ESTs, and GSSs EST Hs.251539 EST Hs.251540 EST Hs.251540 EST Hs.251540 EST Hs.251540 EST Hs.252273 Hs.252273 EST Hs.252273 EST Hs.252359 EST Hs.252867 Hs.252867 EST Hs.253151 EST Hs.253151 EST Hs.253151 EST Hs.253154 EST Hs.253165 EST Hs.253165 EST Hs.253165	Human DNA sequence from clone 1170K4	Hs.251417	EST	Hs.174779
Trypsin family protein with class A LDL receptor domains, and the IL2RB gene for Interleukin 2 Receptor, Beta (IL-2 Receptor, CD122 antigen). Contains a putative CpG island, ESTs, and GSSs EST Hs.251539 EST Hs.251540 C3 Hs.251972 EST Hs.252273 EST Hs.252273 EST Hs.252273 EST, Moderately similar to T2DT HUMAN TRANSCRIPTION INITIATION FACTOR TFIID 105 KDA SUBUNIT [H.sapiens] EST, Moderately similar to RS2_HUMAN 40S RIBOSOMAL PROTEIN S2 [H.sapiens] EST, Moderately similar to RS2_HUMAN 40S RIBOSOMAL PROTEIN S2 [H.sapiens] EST Hs.253151 EST Hs.253154 EST Hs.253154 EST Hs.253165 EST Hs.253165	on chromosome 22q12.2-13.1. Contains	[
receptor domains, and the IL2RB gene for Interleukin 2 Receptor, Beta (IL-2 Receptor, CD122 antigen). Contains a putative CpG island, ESTs, and GSSs EST Hs.251539 EST Hs.251540 C3 Hs.251972 EST Hs.252273 EST Hs.252273 EST Hs.252273 EST Hs.252273 EST Hs.252359 ESTs, Moderately similar to Hs.252867 T2DT_HUMAN TRANSCRIPTION INITIATION FACTOR TFIID 105 KDA SUBUNIT [H.sapiens] EST, Moderately similar to RS2_HUMAN Hs.253150 EST, Moderately similar to RS2_HUMAN Hs.253150 EST, Moderately similar to RS2_HUMAN Hs.253151 EST Hs.253151 EST Hs.253154 EST Hs.253154 EST Hs.253154 EST Hs.253165 EST, Weakly similar to RL13_HUMAN Hs.174780 60S RIBOSOMAL PROTEIN L13 [H.sapiens] EST Hs.175281 EST Hs.175300 EST Hs.175336 EST Hs.175388 EST Hs.175388 EST Hs.175388 EST Hs.175388	three novel genes, one of which codes for a	1		
Interleukin 2 Receptor, Beta (IL-2 Receptor, CD122 antigen). Contains a putative CpG island, ESTs, and GSSs	Trypsin family protein with class A LDL			j
Interleukin 2 Receptor, Beta (IL-2 Receptor, CD122 antigen). Contains a putative CpG island, ESTs, and GSSs	receptor domains, and the IL2RB gene for			
EST	, - · · · -			[[
EST				
Hs.251539 EST, Weakly similar to RL13_HUMAN Hs.174780		1]
EST				
H. 251540 Hs. 251540 Hs. 251972 Hs. 25273 Hs. 252273 Hs. 252273 EST Hs. 252359 EST Hs. 252359 EST Hs. 252367 EST Hs. 175300 EST Human transcription initiation factor fillo 105 KDA SUBUNIT [H. sapiens] EST Hs. 253151 EST Hs. 253151 EST Hs. 253154 EST Hs. 253154 EST Hs. 175437 EST Hs. 253165 EST Hs. 253165 EST Hs. 27577 Hs. 2777 Hs. 2777 Hs. 2777 Hs. 2777 Hs. 2777 Hs. 2778 Hs. 27580 Hs. 2758	EST	Hs.251539	EST, Weakly similar to RL13_HUMAN	Hs.174780
Hs.251540 Hs.251540 Hs.251972 Hs.25273 EST Hs.252273 EST Hs.252273 EST Hs.175281 EST Hs.175300 EST, Moderately similar to Hs.252867 EST Hs.175336 EST Hs.175336 EST Hs.175336 EST Hs.175388 EST Hs.253151 EST Hs.253151 EST Hs.253154 EST Hs.253165 EST Hs.175803 EST Hs.253165 EST Hs.175803 EST Hs.253165 EST Hs.175803 EST Hs.175			60S RIBOSOMAL PROTEIN L13	
Hs.251972 Hs.252273 EST Hs.252273 EST Hs.175281			[H.sapiens]	
EST	EST	Hs.251540	(KIAA0033) for ORF, partial cds.	Hs.174905
EST Hs.252359 EST, Moderately similar to T2DT_HUMAN TRANSCRIPTION INITIATION FACTOR TFIID 105 KDA SUBUNIT [H.sapiens] EST, Moderately similar to RS2_HUMAN Hs.253150 40S RIBOSOMAL PROTEIN S2 [H.sapiens] EST Hs.253151 EST Hs.253154 EST Hs.253154 EST Hs.175300 EST Hs.175336 EST Hs.175336 EST Hs.175336 EST Hs.175336 EST Hs.175338 Hs.175388 EST Hs.175388 EST Hs.175388	<u>C3</u>	Hs.251972		Hs.175270
ESTs, Moderately similar to T2DT_HUMAN TRANSCRIPTION INITIATION FACTOR TFIID 105 KDA SUBUNIT [H.sapiens] EST, Moderately similar to RS2_HUMAN	EST	Hs.252273	EST	Hs.175281
T2DT_HUMAN TRANSCRIPTION INITIATION FACTOR TFIID 105 KDA SUBUNIT [H.sapiens] EST, Moderately similar to RS2_HUMAN Hs.253150 40S RIBOSOMAL PROTEIN S2 [H.sapiens] EST Hs.253151 EST Hs.253154 EST, Weakly similar to salivary proline-rich Hs.175777 protein precursor [H.sapiens] EST Hs.175803	EST	Hs.252359	EST	Hs.175300
INITIATION FACTOR TFIID 105 KDA SUBUNIT [H.sapiens] EST, Moderately similar to RS2_HUMAN Hs.253150 40S RIBOSOMAL PROTEIN S2 [H.sapiens] EST Hs.253151 EST, Weakly similar to salivary proline-rich protein precursor [H.sapiens] EST Hs.253165 EST Hs.175803	ESTs, Moderately similar to	Hs.252867	EST	Hs.175336
INITIATION FACTOR TFIID 105 KDA SUBUNIT [H.sapiens] EST, Moderately similar to RS2_HUMAN Hs.253150 40S RIBOSOMAL PROTEIN S2 [H.sapiens] EST Hs.253151 EST, Weakly similar to salivary proline-rich protein precursor [H.sapiens] EST Hs.253165 EST Hs.175803	T2DT_HUMAN TRANSCRIPTION	1		
SUBUNIT [H.sapiens] EST, Moderately similar to RS2_HUMAN 40S RIBOSOMAL PROTEIN S2 Hs.253150 EST Hs.175388 [H.sapiens] Hs.253151 EST Hs.175437 EST Hs.253154 EST, Weakly similar to salivary proline-rich protein precursor [H.sapiens] Hs.175777 EST Hs.253165 EST Hs.175803	INITIATION FACTOR TFIID 105 KDA	1		
EST, Moderately similar to RS2_HUMAN Hs.253150 EST Hs.175388 Hs.175388 Hs.175388 Hs.175388 Hs.175437 EST Hs.253154 EST, Weakly similar to salivary proline-rich protein precursor [H.sapiens] EST Hs.175803 EST Hs.175803	SUBUNIT [H.sapiens]]		
40S RIBOSOMAL PROTEIN S2 [H.sapiens] EST Hs.253151 Hs.175437 EST Hs.253154 EST, Weakly similar to salivary proline-rich protein precursor [H.sapiens] Hs.175777 EST Hs.253165 EST Hs.175803	EST, Moderately similar to RS2_HUMAN	Hs.253150	EST	Hs.175388
EST Hs.253151 Hs.175437 EST Hs.253154 EST, Weakly similar to salivary proline-rich protein precursor [H.sapiens] Hs.175777 EST Hs.253165 EST Hs.175803	40S RIBOSOMAL PROTEIN S2] [ļ .
EST Hs.253154 EST, Weakly similar to salivary proline-rich protein precursor [H.sapiens] EST Hs.253165 EST Hs.175803	[H.sapiens]			<u> </u>
protein precursor [H.sapiens]	EST	Hs.253151		Hs.175437
EST Hs.253165 EST Hs.175803	EST	Hs.253154	EST, Weakly similar to salivary proline-rich	Hs.175777
EST Hs.253165 EST Hs.175803			_ · · · · · · · · · · · · · · · · · · ·	
FST He 253166 FSTe He 176337	EST	Hs.253165		Hs.175803
	EST	Hs.253166	ESTs	Hs.176337

Table 2: Candidate genes, Database mining

EST	Hs.253167	EST	Hs.176374
EST	Hs.253168	EST	Hs.176380
EST	Hs.253169	EST	Hs.176404
interleukin 1 receptor, type II	Hs.25333	EST	Hs.176406
interreuxin i receptor, type ii	Hs.25361	LCK	Hs.1765
EST	Hs.253742	LIG1	Hs.1770
EST	Hs.253742	EST	Hs.177012
EST, Weakly similar to AF161429_1	Hs.253744	PERB11 family member in MHC class I	Hs.17704
HSPC311 [H.sapiens]	115.233744	region	115.17704
EST [11.sapiens]	Hs.253747	EST	Hs.177146
EST	Hs.253748	EST	Hs.177209
EST	Hs.253753	LOI	Hs.177376
EST, Moderately similar to	Hs.254108		Hs.177461
ALU5 HUMAN ALU SUBFAMILY SC	113.234106		133.177401
SEQUENCE CONTAMINATION			
WARNING ENTRY [H.sapiens]	1		į
ESTs	Hs.254948	CD99	Hs.177543
ESTs	Hs.255011	PMS2	Hs.177548
L315	118.233011	r WISZ	113.177340
EST	Hs.255118	human calmodulin	Hs.177656
EST	Hs.255119		Hs.177712
EST	Hs.255123	Homo sapiens immunoglobulin lambda	Hs.178665
		gene locus DNA, clone:288A10	
EST	Hs.255129		Hs.178743
EST	Hs.255134	EST	Hs.179008
EST	Hs.255135	EST	Hs.179070
EST	Hs.255139	EST	Hs.179130
EST	Hs.255140	EST	Hs.179132
ESTs	Hs.255142		Hs.179149
EST	Hs.255150	EST	Hs.179490
EST	Hs.255152	EST	Hs.179492
ESTs	Hs.255153	promyelocytic leukemia cell mRNA, clones	Hs.179735
		pHH58 and pHH81.	
ESTs	Hs.255157		Hs.179817
ESTs	Hs.255171	major histocompatibility complex, class II,	Hs.1802
		DO beta	
EST	Hs.255172	HLA-DRB1	Hs.180255
EST, Moderately similar to	Hs.255174	TNFRSF12	Hs.180338
PGTA_HUMAN RAB			
GERANYLGERANYLTRANSFERASE		}	
ALPHA SUBUNIT [H.sapiens]			
EST	Hs.255177	RAD23A (HR23A)	Hs.180455
nom.			
EST	Hs.255178	MKK3	Hs.180533
EST	Hs.255245	EST	Hs.180637
EST	Hs.255246	CD27	Hs.180841
EST	Hs.255249	STAT6	Hs.181015
EST	Hs.255251	TNFSF4	Hs.181097
EST	Hs.255253	immunoglobulin lambda locus	Hs.181125
EST	Hs.255254		Hs.181368

Table 2: Candidate genes, Database mining

EST	Hs.255255	CD3	Hs.181392
ESTs	Hs.255256	EST	Hs.255745
EST	Hs.255330	EST	Hs.255746
EST, Weakly similar to putative G protein-	Hs.255333	EST	Hs.255747
coupled Receptor [H.sapiens]	110.2000	201	120,200
EST T	Hs.255336	EST	Hs.255749
EST	Hs.255337	EST	Hs.255754
EST	Hs.255339	ESTs, Moderately similar to KIAA1271	Hs.255759
		protein [H.sapiens]	
EST	Hs.255340	EST	Hs.255762
EST	Hs.255341	EST	Hs.255763
ESTs	Hs.255343	EST	Hs.255764
EST	Hs.255347	EST	Hs.255766
EST	Hs.255349	EST	Hs.255767
EST	Hs.255350	EST	Hs.255768
EST	Hs.255354	EST	Hs.255769
ESTs	Hs.255359	EST	Hs.255770
ESTs	Hs.255387	EST	Hs.255772
EST	Hs.255388	EST	Hs.255777
EST	Hs.255389	EST	Hs.255778
ESTs	Hs.255390	EST	Hs.255779
EST	Hs.255392	EST	Hs.255782
EST	Hs.255444	EST	Hs.255783
EST	Hs.255446	EST	Hs.255784
EST	Hs.255448	EST	Hs.255785
ESTs	Hs.255449	EST, Weakly similar to Con1 [H.sapiens]	Hs.255788
EST	Hs.255454	EST	Hs.255791
EST	Hs.255455	EST	Hs.255794
EST	Hs.255457	EST	Hs.255796
EST	Hs.255459	EST	Hs.255797
EST	Hs.255462	EST	Hs.255799
EST	Hs.255464	ESTs	Hs.255877
EST	Hs.255492	EST	Hs.255880
EST	Hs.255494	EST	Hs.255920
EST	Hs.255495	EST	Hs.255927
EST	Hs.255497	CD40	Hs.25648
EST	Hs.255498	interleukin enhancer binding factor 3, 90kD	Hs.256583
EST	Hs.255499	ESTs	Hs.256810
EST	Hs.255501	EST	Hs.256956
EST	Hs.255502	EST	Hs.256957
EST	Hs.255505	EST	Hs.256959
EST	Hs.255541	EST	Hs.256961
EST	Hs.255543	EST	Hs.256970
ESTs	Hs.255544	EST	Hs.256971
EST	Hs.255546	ESTs	Hs.256979
EST	Hs.255549	ESTs	Hs.257572
EST	Hs.255552	EST	Hs.257579
EST	Hs.255554	EST	Hs.257581
EST	Hs.255556	EST	Hs.257582
EST	Hs.255558	EST	Hs.257630
EST	Hs.255559	EST	Hs.257632

Table 2: Candidate genes, Database mining

EST	11- 255560	FOT	
EST	Hs.255560	EST	Hs.257633
EST	Hs.255561	EST	Hs.257636
EST	Hs.255569	EST	Hs.257640
EST	Hs.255572	ESTs	Hs.257641
EST	Hs.255573	EST	Hs.257644
	Hs.255575	EST	Hs.257645
EST EST	Hs.255577	EST	Hs.257646
EST	Hs.255578	EST	Hs.257647
EST	Hs.255579	EST	Hs.257667
EST	Hs.255580	EST	Hs.257668
EST	Hs.255590	EST	Hs.257677
EST	Hs.255591	EST	Hs.257679
	Hs.255598	EST	Hs.257680
TNFRSF17	Hs.2556	ESTs	Hs.257682
EST	Hs.255600	ESTs	Hs.257684
EST	Hs.255601	EST	Hs.257687
ESTs, Highly similar to KIAA1039 protein	Hs.255603	EST	Hs.257688
[H.sapiens]			
EST	Hs.255614	EST	Hs.257690
EST	Hs.255615	EST	Hs.257695
ESTs	Hs.255617	EST	Hs.257697
EST	Hs.255618	EST	Hs.257705
EST	Hs.255621	EST	Hs.257706
EST	Hs.255622	EST	Hs.257709
ESTs	Hs.255625	ESTs, Moderately similar to	Hs.257711
		ALU8_HUMAN ALU SUBFAMILY SX	
		SEQUENCE CONTAMINATION	
nom.		WARNING ENTRY [H.sapiens]	
EST	Hs.255626	EST	Hs.257713
ESTs	Hs.255627	EST	Hs.257716
ESTs	Hs.255630	EST	Hs.257719
EST	Hs.255632	EST	Hs.257720
EST	Hs.255633	EST	Hs.257727
EST	Hs.255634	EST	Hs.257730
EST	Hs.255635	EST	Hs.257738
EST	Hs.255637	EST	Hs.257743
ESTs	Hs.255639	ESTs	Hs.258513
EST	Hs.255641	EST	Hs.258820
nom.	Hs.255644	EST	Hs.258864
EST	Hs.255645	sema domain, immunoglobulin domain (Ig),	Hs.25887
	Ī	transmembrane domain (TM) and short	
		cytoplasmic domain, (semaphorin) 4F	
		, (, , , , , , , , , , , , , , , , , ,	
EST	Hs.255646	EST	Hs.258898
EST	Hs.255647	EST	Hs.258933
EST	Hs.255648	interleukin 13 receptor, alpha 2	Hs.25954
7.00	Hs.255649	Homo sapiens HSPC101 mRNA, partial cds	Hs 259683
		i interview paradi ous	110.20000
EST	Hs.255650	EST	Hs.263695
EST	Hs.255653	7.00	Hs.263784
EST	Hs.255657	TNFSF12	Hs.26401
	Hs.255661		Hs.264154

Table 2: Candidate genes, Database mining

ESTs	Hs.255664	EST	Hs.264654
EST	Hs.255665	CDw116b	Hs.265262
EST	Hs.255666	MHC binding factor, beta	Hs.2654
EST	Hs.255668	EST	Hs.265634
EST	Hs.255671	EST	Hs.266387
EST	Hs.255672	ESTs	Hs.268027
EST	Hs.255673	ATHS (LDLR?)	Hs.268571
EST	Hs.255674	ESTs, Highly similar to AAD18086 BAT2	Hs.270193
		[H.sapiens]	113.270175
EST	Hs.255675	ESTs	Hs.270198
EST	Hs.255677	ESTs	Hs.270294
EST	Hs.255679	ESTs, Weakly similar to alternatively	Hs.270542
		spliced product using exon 13A [H.sapiens]	113.2703-12
EST	Hs.255681	ESTs, Moderately similar to	Hs.270561
		ALU2 HUMAN ALU SUBFAMILY SB	
		SEQUENCE CONTAMINATION	
		WARNING ENTRY□ [H.sapiens]	
EST	Hs.255682	ESTs, Weakly similar to pro alpha 1(I)	Hs.270564
		collagen [H.sapiens]	
EST	Hs.255686	ESTs, Weakly similar to ALU1_HUMAN	Hs.270578
		ALU SUBFAMILY J SEQUENCE	
		CONTAMINATION WARNING	
		ENTRY□ [H.sapiens]	
ESTs	Hs.255687	ESTs, Moderately similar to brain-derived	Hs.270588
		immunoglobulin superfamily molecule	
		[M.musculus]	
EST	Hs.255688	TALL1	Hs.270737
ESTs	Hs.255689	ESTs	Hs.271206
EST	Hs.255691	МҮН	Hs.271353
EST	Hs.255692	POLI (RAD30B)	Hs.271699
ESTs	Hs.255693	ADPRTL3	Hs.271742
EST	Hs.255695	ESTs, Moderately similar to	Hs.272075
	13.233075	ALU8 HUMAN ALU SUBFAMILY SX	113.4/40/3
		SEQUENCE CONTAMINATION	
		WARNING ENTRY [H.sapiens]	
EST, Highly similar to transmembrane	Hs.255697	Human DNA sequence from clone RP5-	Hs.272271
chloride conductor protein [H.sapiens]		1170K4 on chromosome 22q12.2-13.1	10.416611
		Contains three novel genes, one of which	
		codes for a Trypsin family protein with	
		class A LDL receptor domains, and the	
		IL2RB gene for Interleukin 2 Receptor,	
		Beta (IL-2 Receptor, CD122 antigen), a	
		Dem (12-2 receptor, CD122 antigen), a	
EST	Hs.255698	interleukin 1 receptor accessory protein-like	Hs.272354
		2	

Table 2: Candidate genes, Database mining

EST	Hs.255699	Homo sapiens partial IGVH3 V3-20 gene	111- 272255
	113.233077	for immunoglobulin heavy chain V region,	Hs.272355
İ		case 1, clone 2	
EST	Hs.255705	Homo sapiens partial IGVH3 gene for	H- 272256
	113.233703		Hs.272356
		immunoglobulin heavy chain V region, case	1
EST	Hs.255706	1, clone 16	TT 050055
	HS.233706	Homo sapiens partial IGVH3 gene for	Hs.272357
		immunoglobulin heavy chain V region, case	
EST	H- 255700	1, clone 19	
1201	Hs.255708	Homo sapiens partial IGVH3 gene for	Hs.272358
	i l	immunoglobulin heavy chain V region, case	
EST	Hs.255710	1, cell Mo IV 72	
1231	Hs.255/10	Homo sapiens partial IGVH1 gene for	Hs.272359
		immunoglobulin heavy chain V region, case	
EST	II. 055712	1, cell Mo V 94	
ESI	Hs.255713	Homo sapiens partial IGVL2 gene for	Hs.272360
	ļ	immunoglobulin lambda light chain V	
FOT		region, case 1, cell Mo V 94	
EST	Hs.255717	Homo sapiens partial IGVH3 gene for	Hs.272361
		immunoglobulin heavy chain V region, case	j
FOT		1, cell Mo VI 7	
EST	Hs.255718	Homo sapiens partial IGVL1 gene for	Hs.272362
		immunoglobulin lambda light chain V	
DCC		region, case 1, cell Mo VI 65	
EST	Hs.255721	Homo sapiens partial IGVH3 gene for	Hs.272363
		immunoglobulin heavy chain V region, case	
Fam		1, cell Mo VI 162	
ESTs	Hs.255723	Homo sapiens partial IGVH3 DP29 gene	Hs.272364
		for immunoglobulin heavy chain V region,	
		case 1, cell Mo VII 116	
EST	Hs.255725	Homo sapiens partial IGVH4 gene for	Hs.272365
		immunoglobulin heavy chain V region, case	
		2, cell D 56	
EST	Hs.255726	Homo sapiens partial IGVH3 gene for	Hs.272366
		immunoglobulin heavy chain V region, case	
		2, cell E 172	
EST	Hs.255727	interleukin 20	Hs.272373

Table 2: Candidate genes, Database mining

DOT.	1		·
EST	Hs.255736	Human DNA sequence from clone RP1-	Hs.272521
		149A16 on chromosome 22 Contains an	
		IGLC (Immunoglobulin Lambda Chain C)	1
		pseudogene, the RFPL3 gene for Ret finger	
		protein-like 3, the RFPL3S gene for Ret	
		finger protein-like 3 antisense, the gene for	
		a novel Immunoglobulin Lambda Chain V	
	İ	family protein, the gene for a novel protein	
		similar to mouse RGDS (RALGDS,	
		RALGEF, Guanine Nucleotide Dissociation	
		Stimulator A) and rabbit oncogene RSC, the	
		gene for a novel protein (ortholog of worm	1
		F16A11.2 and bacterial and archea-bacteria	
		predicted proteins), the gene for a novel	
		protein similar to BPI (Bacterial	
		Permeability-Increasing Protein) and rabbit	
		LBP (Liposaccharide-Binding Protein) and	
		the 5' part of a novel gene. Contains ESTs,	
		STSs, GSSs and three putative CpG islands	
EST	Hs.255740	TdT	Hs.272537
EST	Hs.255742	ret finger protein-like 3 antisense	Hs.274285
EST	Hs.255743	PRKR	Hs.274382
	113.233743	I KKK	115.274302
EST	Hs.7569	H.sapiens immunoglobulin epsilon chain	Hs.274600
SMAD4	Hs.75862	EST, Weakly similar to HLA-DQ alpha	Hs.275720
		chain [H.sapiens]	
Homo sapiens splicing factor,	Hs.76122	EST, Weakly similar to RL13_HUMAN	Hs.276279
arginine/serine-rich 4 (SFRS4) mRNA.		60S RIBOSOMAL PROTEIN L13	
		[H.sapiens]	
thymosin beta-10	Hs.76293	EST	Hs.276341
CD63	Hs.76294	EST	Hs.276342
AIF1	Hs.76364	EST, Weakly similar to RL13_HUMAN	Hs.276353
		60S RIBOSOMAL PROTEIN L13	
		[H.sapiens]	
phospholipase A2, group IIA (platelets,	Hs.76422	EST	Hs.276774
synovial fluid),			
CES1	Hs.76688	EST	Hs.276819
ubiquitin conjugating enzyme	Hs.76932	EST	Hs.276871
Homo sapiens KIAA0963 protein	Hs.7724	EST, Weakly similar to FBRL_HUMAN	Hs.276872
(KIAA0963), mRNA.		FIBRILLARIN [H.sapiens]	
Homo sapiens fragile histidine triad gene	Hs.77252	EST	Hs.276887
(FHIT) mRNA.			<u> </u>
PAF-AH	Hs.77318	EST	Hs.276902
Mig	Hs.77367	EST	Hs.276917
DDB2	Hs.77602	EST	Hs.276918
ATR	Hs.77613	EST, Weakly similar to RL13_HUMAN	Hs.276938
		60S RIBOSOMAL PROTEIN L13]
		[H.sapiens]	
XPB (ERCC3)	Hs.77929	EST	Hs.277051
PNKP	Hs.78016	EST	Hs.277052

Table 2: Candidate genes, Database mining

C7	Hs.78065
	113.78003
Homo sapiens small nuclear RNA activating	g Hs.78403
complex, polypeptide 2, 45kD (SNAPC2)	
mRNA.	
	Hs.78465
sphingolipid activator protein / cerebroside	Hs.78575
sulfate activator protein	
Homo sapiens aminolevulinate, delta-,	Hs.78712
synthase 1 (ALAS1), nuclear gene encoding	3
mitochondrial protein, mRNA.	
tyrosine kinase with immunoglobulin and	Hs.78824
epidermal growth factor homology domains	
Hsp72	Hs.78846
UNG	Hs.78853
CX3CR1	Hs.78913
MSH2	Hs.78934
CRHR1	Hs.79117
BCL2	Hs.79241
P-selectin	Hs.79283
UBE2VE (MMS2)	Hs.79300
retinoid X receptor, beta	Hs.79372
•	
MPG	Hs.79396
RPA2	Hs.79411
heat shock 70kD protein-like 1	<u>Hs.80288</u>
FANCG (XRCC9)	Hs.8047
CD43	Hs.80738
POLG	Hs.80961
Human CB-4 transcript of unrearranged	Hs.81220
immunoglobulin V(H)5 gene	
Human L2-9 transcript of unrearranged	Hs.81221
immunoglobulin V(H)5 pseudogene	
immunoglobulin superfamily, member 3	Hs.81234
UBL1	Hs.81424
PF4	<u>Hs.81564</u>
palmitoyl-protein thioesterase 2	Hs.81737
natural killer cell receptor, immunoglobulin	<u>Hs.81743</u>
superfamily member	11 01==
TNFRSF11B	Hs.81791
interleukin 6 signal transducer (gp130,	<u>Hs.82065</u>
oncostatin M receptor) CD138	II. 00100
	Hs.82109
Human monocytic leukaemia zinc finger	Hs.82210
orotein (MOZ) mRNA, complete cds.	

Thomas and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
EST, Moderately similar to RL13_HUMAN	Hs.277236
60S RIBOSOMAL PROTEIN L13	
[H.sapiens]	
EST, Moderately similar to DEAD Box	Hs.277237
Protein 5 [H.sapiens]	•
EST	Hs.277238
EST	Hs.277286
	l
major histocompatibility complex, class I, C	Hs.277477
EST, Weakly similar to AF150959 1	Hs.277591
immunoglobulin G1 Fc fragment	<u> </u>
[H.sapiens]	
EST	Hs.277714
EST	Hs.277715
EST	Hs.277716
EST	Hs.277717
EST	
EST, Weakly similar to BAT3_HUMAN	Hs.277718
	<u>Hs.277774</u>
LARGE PROLINE-RICH PROTEIN BAT3	
[H.sapiens]	
EST	Hs.277975
EST	Hs.278060
cytochrome P450, subfamily XXIA (steroid	Hs.278430
21-hydroxylase, congenital adrenal	
hyperplasia), polypeptide 2	
KIAA0015 gene product	<u>Hs.278441</u>
CD32B	Hs.278443
KIR2DL1	Hs.278453
CD158a	Hs.278455
CD24	Hs.278667
HLA class II region expressed gene KE4	Hs.278721
IL-17C	
	Hs.278911
HSPC048 protein (HSPC048)	Hs.278944
1151 C040 protein (1151 C048)	ns.270944
HSPC054 protein (HSPC054)	Uc 279046
	Hs.278946
	Hs.278948
700	Hs.279066
	Hs.279067
LU13	Hs.279068
ESTs	Hs.279069
7.00	Hs.279070
ESTs	Hs.279071
	Hs.279072
j	

Table 2: Candidate genes, Database mining

sema domain, immunoglobulin domain (Ig)	, Hs.82222
short basic domain, secreted, (semaphorin)	1
3B	
HPRT	Hs.82314
Human RNA binding protein Etr-3 mRNA,	Hs.82321
complete cds.	f
MNAT1	Hs.82380
SMAD2	Hs.82483
CD47	Hs.82685
CETN2	Hs.82794
protein phosphatase 1, regulatory (inhibitor	Hs 82887
subunit 11	110.02007
MMP1	Hs.83169
D3-type cyclin (CCND3)	Hs.83173
MMP3	Hs.83326
TNFSF10	Hs.83429
CD33	Hs.83731
CD102	Hs.83733
	Hs.84153
	IDS.04133
interleukin 8 receptor, beta	Hs.846
titin immunoglobulin domain protein	Hs.84665
(myotilin)	115.84003
KU80 (XRCC5)	Hs.84981
Raf-1	Hs.85181
major histocompatibility complex, class I, J	Hs.85242
(pseudogene)	113.03242
RELB	Hs.858
	Hs.85923
ERK1	Hs.861
FADD	Hs.86131
MHC class I polypeptide-related sequence	Hs.90598
A	113.70598
TNF receptor-associated factor 6	Hs.90957
Topo3A	Hs.91175
PARG	Hs.91390
HLA-DPA1	Hs.914
SEEK1	Hs.91600
POLD1	Hs.99890
ALK4	Hs.99954
	10.0000
XPD (ERCC2)	Hs.99987
	Hs.50404
	Hs.50002
rcirg1	Hs.46465
	Hs.46
	Hs.44926
	Hs.44865
	Hs.44313
	<u>Hs.41724</u> <u>Hs.40034</u>
	115.4UU34

Trom vvi 11	
ESTs, Weakly similar to KIAA0052 prote [H.sapiens]	in Hs.279073
[[TI:Sapiens]	
ESTs	Hs.279074
ESTs	Hs.279075
	118.279073
ESTs	Hs.279076
ESTs	Hs.279077
EST	Hs.279078
EST	Hs.279079
ESTs	Hs.279080
EST	Hs.279081
ESTs	Hs.279082
ESTs	Hs.279083
ESTs	Hs.279084
ESTs ESTs	Hs.279085
	Hs.279086
ESTs, Weakly similar to AF201422_1	Hs.279087
splicing coactivator subunit SRm300 [H.sapiens]	
ESTs	11- 270000
ESTs	Hs.279088
2010	Hs.279089
	Hs.86437
	Hs.86761
CD118 = IFNAR-2	Hs.86958
	Hs.87113
PGHS-1	Hs.88474
	Hs.8882
LT-b	Hs.890
EST	Hs.92440
	TY 00 1 50
myogin kindingt i. IX	Hs.92460
myosin-binding protein H IFN-b	Hs.927
C8A	Hs.93177
pre-B-cell leukemia transcription factor 2	Hs.93210
Tachykinin Receptor 3	Hs.93728 Hs.942
Homo sapiens cDNA FLJ12242 fis, clone	Hs.942 Hs.94810
MAMMA 1001292	113.74010
CD29	Hs287797
LIF	Hs.2250
Human IP-10	Hs.2248
IL-5	Hs.2247
G-CSF	Hs.2233
ГGF-bR	Hs.220
G-CSFR	Hs.2175
CD15	Hs.2173
STAT1	Hs.21486
CD85	Hs.204040

Table 2: Candidate genes, Database mining

CCR2	11. 205
CCRZ	Hs.395
TNF-b	Hs.3688
INF-0	Hs.36
MCP-1	Hs.347
MCP-1	<u>Hs.340</u>
CD150	Hs.32970
IL-10Ra	Hs.327
EGR1	Hs.326035
SCYC1 (XCL1)	Hs.3195
HLA-DR	Hs.318720
Topo I (TOP1)	Hs.317
SCYA2 (MCP1)	Hs.303649
HuRNPD	Hs.303627
Human C mu gene for IgM heavy chain exons CH1-4, secretory	Hs.302063
Pl	Hs.297681
immunoglobulin lambda joining 3	Hs.289110
major histocompatibility complex, class II, DQ alpha 2	Hs.289095
HSPCA	Hs.289088
	1.0.20000
interleukin 22	Hs.287369
ribosomal protein L4	Hs.286
IgM	Hs.285823
EST	Hs.283267
TREM1	Hs.283022
HLA-DRB3	<u>Hs.279930</u>
LIFR	Hs.2798
C4B	Hs.278625
EST	Hs.276907
CDw52	<u>Hs.276770</u>
CD16 b	<u>Hs.274467</u>
heat shock 70kD protein 1B	Hs.274402
	Hs.273385
	Hs.272493
TBX21	Hs.272409
Homo sapiens mRNA; cDNA	Hs.272307
DKFZp434O2417 (from clone	
DKFZp434O2417); partial cds	
Th1 MIP-5/HCC-2 TBX21 Homo sapiens mRNA; cDNA	Hs.273385 Hs.272493 Hs.272409
DIST Zp43402417), partial cds	L

HCC-1	Hs.20144
Fas ligand	Hs.2007
CD28	Hs.1987
HLA-DQA1	Hs.198253
Ku70 (G22P1)	Hs.197345
PGHS-2	Hs.196384
CDw128	Hs.194778
IL-10	Hs.193717
CD126	Hs.193400
00.120	Hs.1880
CD98	Hs.184601
CD70	
MHC class I region ORF	Hs.184542 Hs.1845
	113.1043
CDw116a	Hs.182378
HLA-DRB5	Hs.181366
major histocompatibility complex, class I, A	Hs.181244
elongation factor 1-alpha (clone CEF4)	Hs.181165
CD119	Hs.180866
	Hs.180804
	Hs.180532
POLB	Hs.180107
CD1d	Hs.1799
CD87	Hs.179657
minichromosome maintenance deficient (S. cerevisiae) 3	Hs.179565
RAD23B (HR23B)	Hs.178658
	Hs.178391
	Hs.177781
ADPRT	Hs.177766
IFNGR2	Hs.177559
CD16 a	Hs.176663
CD4	Hs.17483
SCYC2 (XCL2)	Hs.174228
CD115	Hs.174142
CD11a	Hs.174103
	223.17 1103

Table 2: Candidate genes, Database mining

Human DNA sequence from clone RP1-	Hs.272295	IL-10Rb	Hs.173936
108C2 on chromosome 6p12.1-21.1.			
Contains the MCM3 gene for			
minichromosome maintenance deficient (S.			1
cerevisiae) 3 (DNA replication licensing			
factor, DNA polymerase alpha holoenzyme-	.		
associated protein P1, RLF beta subunit), a			
CACT (carnitine/acylcarnitine translocase)			
pseudogene, part of the gene for a			İ
PUTATIVE novel protein similar to IL17			
(interleukin 17 (cytotoxic T-lymphocyte-			
associated serine esterase 8)) (cytotoxic T			
lymphocyte-associated antigen 8, CTLA8),			
ESTs, STSs, GSSs and a putative CpG			
island			
CD49b	Hs.271986	MSCF	Hs.173894
MCP-2	Hs.271387	TDG ·	Hs.173824
CD49c	<u>Hs.265829</u>	RAC1	Hs.173737
NBS1	Hs.25812	integrin cytoplasmic domain-associated	Hs.173274
		protein 1	113.173274
CD120b = TNFRSF1B	Hs.256278	IL2R	Hs.1724
CDw75	Hs.2554	IL-1a	Hs.1722
CD82	Hs.25409		Hs.171872
MCP-3	Hs.251526		Hs.171118
xanthine oxidase	Hs.250	EST	Hs.1711009
Human Ig rearranged lambda-chain mRNA,		EST	Hs.170934
subgroup VL3, V-J region, partial cds	15.2 (751)		ns.170934
Eotaxin-2/MPIF-2	Hs.247838	EST	Hs.170587
CTLA-4	Hs.247824	IL-9R	Hs.1702
immunoglobulin kappa variable 1-9	Hs.247792	CD45	Hs.170121
CD68	Hs.246381	TGF-a	Hs.170009
OSMR	Hs.238648	CD44	Hs.169610
CDw127	Hs.237868	Fyn	Hs.169370
transcription factor 8 (represses interleukin	Hs.232068	MPIF-1	Hs.169191
2 expression)			
<u>CD8b</u>	Hs.2299	ICAM-1	Hs.168383
EST	Hs.229374	IL-15	Hs.168132
TRF4-1	Hs.225951	STAT5A	Hs.167503
CD3g	Hs.2259	ESTs	Hs.167208
<u>C2</u>	Hs.2253	ESTs	Hs.165693
	Hs.116834		Hs.135750
	Hs.117741	DINB1 (POLK)	Hs.135756

Table 2: Candidate genes, Database mining

Human MHC Class I region proline rich	Hs.118354	Human DNA sequence from clone RP1-	Hs.136141
protein mRNA, complete cds		238O23 on chromosome 6. Contains part of	1
		the gene for a novel protein similar to PIGR	
		(polymeric immunoglobulin receptor), part	
		of the gene for a novel protein similar to rat	
		SAC (soluble adenylyl cyclase), ESTs,	
		STSs and GSS	-
ESTs, Weakly similar to FCE2 MOUSE	Hs.118392		Hs.136254
LOW AFFINITY IMMUNOGLOBULIN			
EPSILON FC RECEPTOR [M.musculus]			
MKK6	Hs.118825		Hs.13646
	Hs.118895		Hs.136537
H.sapiens mRNA for ITBA4 gene.	Hs.119018	Histone H1 (F3)	Hs.136857
1 gones	110:115010	Tristone III (13)	113.130037
	Hs.119057	MGMT	Hs.1384
TNFRSF10c	Hs.119684	MGM1	Hs.138563
	113.113004		HS.138303
	Hs.12064	IgG	Ho 140
	Hs.120907	150	Hs.140
acid phosphatase 5, tartrate resistant	Hs.1211		Hs.140478
acia phosphatase 5, tarrate resistant	Hs.121297		Hs.14070
Human immunoglobulin (mAb59) light			Hs.141153
chain V region mRNA, partial sequence	<u>Hs.121508</u>		Hs.143954
IL12Rb1	II- 101544	TOTAL ALL ALL ALL ALL ALL ALL ALL ALL ALL	
IL12KUI	Hs.121544	ESTs, Moderately similar to	<u>Hs.144814</u>
	1	I1BC_HUMAN INTERLEUKIN-1 BETA	
Hymon MIC along H DO along DAIA	TT 1000 (1	CONVERTASE PRECURSOR [H.sapiens]	
Human MHC class II DO-alpha mRNA,	<u>Hs.123041</u>	CHK2 (Rad53)	Hs.146329
partial cds	11 400050	•	
Histone H4 (H4F2)	Hs.123053	EST	Hs.146591
TSHR	11 100000		
ISHK	Hs.123078		Hs.147040
1	Hs.123445	CD42b	Hs.1472
regulatory factor X, 1 (influences HLA class	Hs.123638		Hs.149235
II expression)			
<u>CD13</u>	Hs.1239	AICD	Hs.149342
			_
IL-15R	Hs.12503	Homo sapiens putative tumor suppressor	Hs.149443
		protein (101F6) mRNA, complete cds.	
RAD51L3 (RAD51D)	Hs.125244	CD49e	Hs.149609
			-
CDw90	Hs.125359	heparan sulfate proteoglycan (HSPG) core	Hs.1501
		protein	
LYPLA1	Hs.12540	CD107a	Hs.150101
ESTs, Weakly similar to AF201951 1 high	Hs.126580	ESTs, Weakly similar to I57587 MHC HLA	
affinity immunoglobulin epsilon receptor		SX-alpha [H.sapiens]	
beta subunit [H.sapiens]]	,	
	Hs.127128	ALK2	Hs.150402
	I		
	Hs.127444	WRN	Hs 150477
	Hs.127444	WRN	Hs.150477

Table 2: Candidate genes, Database mining

C8G	Hs.1285	XRCC4	Hs.150930
	120.1203	Meet	115.150950
RAD54B	Hs.128501	IFN-a	Hs.1510
	Hs.129020	MAPK	Hs.151051
	Hs.129268		Hs.15200
	Hs.129332	immunoglobulin mu binding protein 2	Hs.1521
XRCC2	Hs.129727	4-1BBL	Hs.1524
potassium voltage-gated channel, Shaw- related subfamily, member 3 (KCNC3)	Hs.129738		Hs.152818
interleukin 17 receptor	<u>Hs.129751</u>	HUS1	Hs.152983
CD134	Hs.129780	SWAP70	Hs.153026
TNFRSF10d	Hs.129844	DOM-3 (C. elegans) homolog Z	<u>Hs.153299</u>
POLL	Hs.129903		Hs.153551
GADD153=growth arrest and DNA-damaginducible gene / fus-chop fusion protein	e-Hs.129913		Hs.15370
inducione gene / fus-enop fusion protein			
solute carrier family 5 (neutral amino acid transporters, system A), member 4	Hs.130101	SMAD6	Hs.153863
	Hs.130232	APEXL2	Hs.154149
	Hs.13034		Hs.154198
CD30L	Hs.1313		Hs.154366
SCYA26 (CCL26)	Hs.131342	BCL6	Hs.155024
CD30	Hs.1314		Hs.155150
	Hs.131885		Hs.155402
	Hs.131887	RAIDD	Hs.155566
	Hs.13256	POLH	Hs.155573
ESTs	Hs.132775		Hs.15589
Homo sapiens (clone 3.8-1) MHC class I	Hs.132807	Homo sapiens mRNA for KIAA0695	Hs.155976
mRNA fragment		protein, complete cds.	110.1339/0
	Hs.13288	SNM1 (PS02)	Hs.1560
	Hs.132943	Topo2A	Hs.156346
EST	Hs.133261	ESTs, Highly similar to MHC class II	<u>Hs.156811</u>
	Це 122200	antigen [H.sapiens]	77 1550
EST	Hs.133388	Histamine H1 receptor	Hs.1570
EST	Hs.133393		Hs.157118
ESTs	Hs.133930	DOT	Hs.157267
ESTs	Hs.133947	EST	Hs.157279
EST	Hs.133949	EST	Hs.157280
EST	Hs.134017	EST	Hs.157308
LOI	Hs.134018	EST	Hs.157309

Table 2: Candidate genes, Database mining

non	
EST	Hs.134590
	Hs.135135
immunoglobulin superfamily, member 6	Hs.135194
	Hs.135570
Homo sapiens arrestin, beta 2 (ARRB2)	Hs.18142
mRNA.	
myeloperoxidase	Hs.1817
APO-1	Hs.182359
TRAP1	Hs.182366
	Hs.182594
TNFRSF16	Hs.1827
	Hs.182817
regulatory factor X, 4 (influences HLA class	<u>Hs.183009</u>
II expression)	
Homo sapiens killer cell lectin-like receptor F1 (KLRF1), mRNA.	Hs.183125
	Hs.183171
EST	Hs.183386
	Hs.183656
	Hs.18368
advanced glycosylation end product-specific	Hs.184
receptor	
CDK7	Hs.184298
	Hs.184376
CCR4	Hs.184926
EST, Weakly similar to A27307 proline-	Hs.185463
rich phosphoprotein [H.sapiens]	
EST	Hs.185498
EST, Weakly similar to B39066 proline-	Hs.186243
rich protein 15 - rat [R.norvegicus]	
EST, Weakly similar to salivary proline-rich	Hs.186265
EST, Weakly similar to salivary proline-rich protein [R.norvegicus]	Hs.186265 Hs.187200
EST, Weakly similar to salivary proline-rich protein [R.norvegicus]	
EST, Weakly similar to salivary proline-rich protein [R.norvegicus] EST	
EST, Weakly similar to salivary proline-rich protein [R.norvegicus] EST EST	Hs.187200
EST, Weakly similar to salivary proline-rich protein [R.norvegicus] EST EST	Hs.187200 Hs.188048
EST, Weakly similar to salivary proline-rich protein [R.norvegicus] EST EST EST	Hs.187200 Hs.188048 Hs.188075
EST, Weakly similar to salivary proline-rich protein [R.norvegicus] EST EST EST EST EST	Hs.187200 Hs.188048 Hs.188075 Hs.188194
EST, Weakly similar to salivary proline-rich protein [R.norvegicus] EST EST EST EST	Hs.187200 Hs.188048 Hs.188075 Hs.188194 Hs.188300
EST, Weakly similar to salivary proline-rich protein [R.norvegicus] EST EST EST EST EST	Hs.187200 Hs.188048 Hs.188075 Hs.188194 Hs.188300 Hs.190251
EST, Weakly similar to salivary proline-rich protein [R.norvegicus] EST EST EST EST EST	Hs.187200 Hs.188048 Hs.188075 Hs.188194 Hs.188300 Hs.190251 Hs.19056
EST, Weakly similar to salivary proline-rich protein [R.norvegicus] EST EST EST EST EST EST MAPK8	Hs.187200 Hs.188048 Hs.188075 Hs.188194 Hs.188300 Hs.190251 Hs.19056 Hs.190831

T	
EST	Hs.157310
EST	Hs.157311
ESTs	Hs.157344
ret finger protein-like 2	Hs.157427
	Hs.214956
WASP	Hs.2157
CD88	Hs.2161
	Hs.21618
ring finger protein 5	Hs.216354
class II cytokine receptor ZCYTOR7	Hs.21814
	Hs.219149
cyclophilin-related protein	Hs.219153
Homo sapiens mannosyl (alpha-1,6-)-	Hs.219479
glycoprotein beta-1,2-N-	
acetylglucosaminyltransferase (MGAT2)	
mRNA.	
perforin	Hs.2200
	Hs.220154
ESTs, Weakly similar to FCE2 MOUSE	Hs.220649
LOW AFFINITY IMMUNOGLOBULIN	
EPSILON FC RECEPTOR [M.musculus]	
	Hs.220868
	Hs.220960
immunoglobulin superfamily, member 1	Hs.22111
	Hs.221539
ESTs	Hs.221694
	Hs.222921
	Hs.222942
EST	Hs.223520
EST	Hs.223935
EST, Moderately similar to SMO_HUMAN	Hs.224178
SMOOTHENED HOMOLOG	
PRECURSOR [H.sapiens]	
Blk	Hs.2243
EST	Hs.224344
EST	Hs.224408
EST	Hs.224409
CPN1	Hs.2246
MMP7	Hs.2256
MMP10	Hs.2258
CCR9	<u>Hs.225946</u>
4-II III	
toll-like receptor 6 (TLR6)	Hs.227105

Table 2: Candidate genes, Database mining

EST, Weakly similar to \$39206	III- 100004	VDD 1	lu 007070
	Hs.190924	XPR1	Hs.227656
hypothetical protein 1 - rat□ [R.norvegicus]			
GTF2H2	Hs.191356	CD49f	11- 227720
	113.131330	CD491	Hs.227730
	Hs.191367		110 22700
	Hs.191914	EST	Hs.22790
ESTs, Weakly similar to immunoglobulin	Hs.192078	EST, Highly similar to 1409218A elastase	Hs.228337 Hs.228525
superfamily member [D.melanogaster]	113.172070	[H.sapiens]	П8.226323
XPA	Hs.192803	EST	Hs.228528
	110.102000	L31	ITS.220320
CD89	Hs.193122	EST, Moderately similar to	Hs.228874
	13.193122	R37A_HUMAN 60S RIBOSOMAL	115.2266/4
		PROTEIN L37A [H.sapiens]	
DFFRY	Hs.193145	EST Trisapiens	Hs.228891
CD35	Hs.193716	EST	Hs.228926
REV7 (MAD2L2)	Hs.19400	EST	Hs.229071
	Hs.194082	EST	Hs.229405
	Hs.194110	EST	Hs.229494
BRCA1	Hs.194143	EST, Weakly similar to ALU1 HUMAN	Hs.229560
		ALU SUBFAMILY J SEQUENCE	
		CONTAMINATION WARNING	
		ENTRY□ [H.sapiens]	
ESTs, Moderately similar to MHC Class I	Hs.194249	EST, Moderately similar to AAD18086	Hs.229901
region proline rich protein [H.sapiens]		BAT2 [H.sapiens]	
	Hs.194534	EST	Hs.229902
Торо3В	Hs.194685	EST, Highly similar to 1409218A elastase	Hs.230053
		[H.sapiens]	ļ
Human DNA sequence from clone 1170K4	Hs.194750	RAD51	Hs.23044
on chromosome 22q12.2-13.1. Contains	İ		
three novel genes, one of which codes for a			
Trypsin family protein with class A LDL	ļ .		
receptor domains, and the IL2RB gene for			
Interleukin 2 Receptor, Beta (IL-2 Receptor,			
CD122 antigen). Contains a putative CpG			
island, ESTs, and GSSs			
moior history and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of	TT 10455	T07	
major histocompatibility complex, class II,	Hs.194764	EST, Moderately similar to A54746 adhalin	Hs.230485
DP alpha 2 (pseudogene)	II- 104076	precursor - human [H.sapiens]	
Human DNA sequence from clone RP11-	<u>Hs.194976</u>	EST	Hs.230691
367J7 on chromosome 1. Contains (part of)			
two or more genes for novel			
Immunoglobulin domains containing			
proteins, a SON DNA binding protein			
(SON) pseudogene, a voltage-dependent			
anion channel 1 (VDAC1) (plasmalemmal			
porin) pseudogene, ESTs, STSs and GSSs			
	Hs.195447	EST	Ua 220775
PDGF-B	Hs.1976		Hs.230775
CXCR3	Hs.198252		Hs.230805
	Hs.198694	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Hs.230848 Hs.230862

Table 2: Candidate genes, Database mining

	Hs.198738	EST	III 020074
MAR/SAR DNA binding protein (SATB1)	Hs.198822	EST	Hs.230874
, in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second			Hs.230931
CHUK	Hs.198998	EST	Hs.231031
hemochromatosis	Hs.20019	EST	Hs.231261
T-cell receptor active beta-chain	Hs.2003	EST	Hs.231284
APO-1	Hs.2007,	EST	Hs.231285
RXRA	Hs.20084	EST	Hs.231292
EST	Hs.200876	EST, Weakly similar to putative	Hs.231512
	1	mitochondrial outer membrane protein	113.231312
		import receptor [H.sapiens]	
	Hs.201194	Homo sapiens mRNA for KIAA0529	Hs.23168
		protein, partial cds.	113.23100
TCRd	Hs.2014	EST	Hs.235042
ESTs, Highly similar to TNF-alpha	Hs.202407	EST	Hs.235826
converting enzyme [H.sapiens]	110.202107		115.255626
	Hs.202608	TREX1 (Dnase III)	Hs.23595
Integrin b1 = CD29	Hs.202661	EST	Hs.237126
thrombomodulin	Hs.2030		Hs.23860
	Hs.203064	RAD9	Hs.240457
	Hs.203184	1-acylglycerol-3-phosphate O-	Hs.240534
		acyltransferase 1 (lysophosphatidic acid	113.240334
		acyltransferase, alpha)	
	Hs.203584	EST	Hs.240635
EST	Hs.204477	EST, Weakly similar to ALU8 HUMAN	Hs.241136
	110.20 1177	ALU SUBFAMILY SX SEQUENCE	118.241130
		CONTAMINATION WARNING	
		ENTRY [H.sapiens]	
EST	Hs.204480	TNFSF15	Hs.241382
	115.201-100	11115115	1115.241302
EST, Weakly similar to CA13 HUMAN	Hs.204483	interleukin 1 receptor accessory protein-like	He 2/11385
COLLAGEN ALPHA 1(III) CHAIN		1	113.241303
PRECURSOR□ [H.sapiens]		*	
	Hs.204588	RANTES	Hs.241392
EST, Weakly similar to salivary proline-rich	Hs.204598	sema domain, immunoglobulin domain (Ig),	
protein 1 [H.sapiens]		short basic domain, secreted, (semaphorin)	113.2414
, [3A	
EST	Hs.204610	POLQ	Hs.241517
ESTs	Hs.204703	TNF-a	Hs.241570
	Hs.204751	Homo sapiens genes encoding RNCC	Hs.241576 Hs.241586
	113.204731	protein, DDAH protein, Ly6-C protein, Ly6-	
	1		
		D protein and immunoglobulin receptor	
EST	Hs.204760	megakaryocyte-enhanced gene transcript 1	Hs.241587
		protein	
EST	Hs.204771	EST, Moderately similar to 1409218A	Hs.241981
		elastase [H.sapiens]	11701
ESTs	Hs.204873	EST EST	Hs.241982
	Hs.204932	EST	Hs.241983

Table 2: Candidate genes, Database mining

EST	Hs.204954
EST	Hs.205158
ESTs	Hs.205159
ESTs	Hs.205327
CD39	Hs.205353
ESTs	Hs.205435
EST	Hs.205438
EST, Highly similar to elastic titin	Hs.205452
[H.sapiens]	1201200 102
EST	Hs.205456
MRE11A	Hs.20555
HLA class II region expressed gene KE2	Hs.205736
EST	Hs.205788
ESTs	Hs.205789
	IDS.203769
EST	Hs.205803
EST	Hs.205815
ESTs	Hs.206160
	Hs.206654
EST	Hs.207060
EST	Hs.207062
EST	TV 007060
	Hs.207063
EST	II 007470
EST	Hs.207473
ESTs	Hs.207474
2318	HS.207474
ESTs	Hs.207971
1515	HS.20/9/1
]
EST	11. 007002
EST	Hs.207993
E51	Hs.208153
ECT Wookly similar to 010000 11 11	II. 200655
EST, Weakly similar to S10889 proline-rich	HS.208667
protein - human□ [H.sapiens]	
ECT.	V
ESTs	Hs.209142
FOT	
EST	Hs.209261
Tom.	
ESTs	Hs.209306

	T
EST	Hs.242605
ADPRT2	Hs.24284
EST	Hs.243284
EST	Hs.243286
ESTs	Hs.243288
SCYB14	Hs.24395
EST	Hs.244046
EST	Hs.244048
EST	Hs.244049
EST	Hs.244050
RFXAP	Hs.24422
	Hs.24435
STAT5B	Hs.244613
EST	Hs.244666
EST	Hs.245586
CDw108	Hs.24640
ESTs	Hs.246796
dimethylarginine dimethylaminohydrolase 2	
, , , , , , , , , , , , , , , , , , , ,	333217332
Homo sapiens clone mcg53-54	Hs.247721
immunoglobulin lambda light chain variable	113.217721
region 4a mRNA, partial cds	
Homo sapiens ELK1 pseudogene (ELK2)	Hs.247775
and immunoglobulin heavy chain gamma	113.247773
pseudogene (IGHGP)	
immunoglobulin kappa variable 1/OR2-108	Hs.247804
minimizero di na kappa variable 1/012-100	113.247004
butyrophilin-like 2 (MHC class II	Hs.247808
associated)	113.247606
Homo sapiens genes encoding RNCC	Hs.247879
protein, DDAH protein, Ly6-C protein, Ly6-	115.247679
D protein and immunoglobulin receptor	
protein and minunoglobulin receptor	
Histamine H2 receptor	Hs.247885
Human anti-streptococcal/anti-myosin	Hs.247898
immunoglobulin lambda light chain variable	115.24/696
region mRNA, partial cds	
Homo sapiens isolate donor Z clone Z55K	Hs.247907
immunoglobulin kappa light chain variable	пѕ.24/90/
region mRNA, partial cds	
	Uc 247000
_	Hs.247908
immunoglobulin lambda light chain variable	
region mRNA, partial cds	H- 247000
	Hs.247909
lambda light chain variable region (IGL)	
gene, partial cds	II. 045010
	Hs.247910
immunoglobulin kappa light chain variable	j
region mRNA, partial cds	

Table 2: Candidate genes, Database mining

	1		
	Hs.209362	Homo sapiens isolate donor N clone N8K	Hs.247911
		immunoglobulin kappa light chain variable	
		region mRNA, partial cds	
EST, Weakly similar to FCEB MOUSE	Hs.209540	Human Ig rearranged mu-chain V-region	Hs.247923
HIGH AFFINITY IMMUNOGLOBULIN		gene, subgroup VH-III, exon 1 and 2	
EPSILON RECEPTOR BETA-SUBUNIT			1
[M.musculus]			
EST	Hs.209913	Epsilon, IgE=membrane-bound IgE,	Hs.247930
		epsilon m/s isoform {alternative splicing}	
		[human, mRNA Partial, 216 nt]	
EST	Hs.209989	H.sapiens (T1.1) mRNA for IG lambda light chain	<u>Hs.247949</u>
EST	Hs.210049	H.sapiens mRNA for Ig light chain, variable	Hs.247950
		region (ID:CLL001VL)	
EST, Moderately similar to probable	Hs.210276	Human interleukin 2 gene, clone pATtacIL-	Hs.247956
sodium potassium ATPase gamma chain		2C/2TT, complete cds, clone pATtacIL-	
[H.sapiens]		2C/2TT	
EST, Weakly similar to N-WASP	Hs.210306	pre-B lymphocyte gene 1	Hs.247979
[H.sapiens]			
EST	Hs.210307	Human immunoglobulin heavy chain	Hs.247987
		variable region (V4-31) gene, partial cds	
EST	Hs.210385	Human immunoglobulin heavy chain	Hs.247989
		variable region (V4-30.2) gene, partial cds	
interleukin 21 receptor	Hs.210546	Human DNA sequence from phage LAW2	Hs.247991
		from a contig from the tip of the short arm	
		of chromosome 16, spanning 2Mb of	
		16p13.3 Contains Interleukin 9 receptor	
		pseudogene	
EST .	Hs.210727	Homo sapiens HLA class III region	Hs.247993
		containing NOTCH4 gene, partial sequence,	
		homeobox PBX2 (HPBX) gene, receptor	
		for advanced glycosylation end products	
·		(RAGE) gene, complete cds, and 6	
		unidentified cds	
	Hs.211266	Homo sapiens immunoglobulin lambda	Hs.248010
		gene locus DNA, clone:61D6	
SMAD3	Hs.211578	immunoglobulin lambda variable 9-49	Hs.248011
MHC class I polypeptide-related sequence B	Hs.211580	immunoglobulin lambda variable 4-3	Hs.248012
ESTs, Weakly similar to CA1B MOUSE	Hs.211744	H.sapiens mRNA for IgG lambda light	Hs.248030
COLLAGEN ALPHA 1(XI) CHAIN		chain V-J-C region (clone Tgl11)	
PRECURSOR [M.musculus]		(3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	
sema domain, immunoglobulin domain (Ig),	Hs.212414	Human immunoglobulin (mAb56) light	Hs.248043
short basic domain, secreted, (semaphorin)		chain V region mRNA, partial sequence	
3E			
TNFRSF18	Hs.212680	Homo sapiens lymphocyte-predominant	Hs.248077
		Hodgkin's disease case #4 immunoglobulin	2.5.2 15077
		heavy chain gene, variable region, partial	
		cds	
	L		

Table 2: Candidate genes, Database mining

Homo sapiens general transcription factor	2 He 212030	Homo sapiens lymphocyte-predominant	Hs.248078
I pseudogene 1 (GTF2IP1) mRNA.	2-115.212739	Hodgkin's disease case #7 immunoglobulin	115.246076
pseudogene i (O i i zn i j mrava.		heavy chain gene, variable region, partial	
		cds	
RAD18	Hs.21320	Homo sapiens clone ASMneg1-b3	Hs.248083
		immunoglobulin lambda chain VJ region,	
		(IGL) mRNA, partial cds	
	Hs.213226	OSM	Hs.248156
ESTs	Hs.279090		Hs.29128
ESTs	Hs.279091	Homo sapiens clone 24659 mRNA	Hs.29206
		sequence.	115.2>200
ESTs	Hs.279092	EST	Hs.292235
EST	Hs.279093	EST	Hs.292450
ESTs	Hs.279094	EST, Moderately similar to Ewing sarcoma	Hs.292455
2515	115.279091	breakpoint region 1, isoform EWS	113.272433
		[H.sapiens]	
ESTs	Hs.279095	EST EST	Hs.292461
ESTs, Weakly similar to AF279265 1	Hs.279096	ESTs	Hs.292501
putative anion transporter 1 [H.sapiens]	113.279090		113.272301
ESTs	Hs.279097	EST	Hs.292516
EST	Hs.279098	EST	Hs.292517
ESTs	Hs.279099	EST	Hs.292520
ESTs	Hs.279100	EST, Moderately similar to RL13 HUMAN	
1513	115.279100	60S RIBOSOMAL PROTEIN L13	115.292340
ESTs	Hs.279101	[H.sapiens] EST	Hs.292545
ESTs ESTs	Hs.279101	EST, Weakly similar to ORFII [H.sapiens]	Hs.292343
ESTs	Hs.279102	EST EST	Hs.292761
ESTs	Hs.279103	ESTs	Hs.292701
ESTs	Hs.279105	ESTs	Hs.293183
ESTs	Hs.279105	ESTs	Hs.293280
EST	Hs.279100	ESTs	Hs.293280
ESTs	Hs.279107	ESTs, Moderately similar to 0501254A	
1318	IIS.2/9106	•	Hs.293441
		protein Tro alpha1 H,myeloma [H.sapiens]	
EST	Hs.279109	MMP13	Hs.2936
ESTs	Hs.279110	major histocompatibility complex, class II,	Hs.293934
		DR beta 4	
ESTs	Hs.279111	Human MHC class III serum complement	Hs.294163
		factor B, mRNA	
ESTs	Hs.279112	EST	Hs.294315
EST	Hs.279113	EST	Hs.294316
ESTs	Hs.279114	EST, Highly similar to Y196 HUMAN	Hs.295582
		HYPOTHETICAL PROTEIN KIAA0196	
		[H.sapiens]	
ESTs	Hs.279115	EST	Hs.295583
ESTs	Hs.279116	EST, Highly similar to ZN07 HUMAN	Hs.295584
	[]	ZINC FINGER PROTEIN 7 [H.sapiens]	
ESTs	Hs.279117	EST [HIGERTROTEIN / [H.sapiciis]	Hs.295585
ESTs	Hs.279118	EST	Hs.295586
ESTs	Hs.279119	EST, Moderately similar to angiotensin	Hs.295595
,	110.277117	converting enzyme [H.sapiens]	113.473373
		[converting enzyme [ri.sapiens]	<u> </u>

Table 2: Candidate genes, Database mining

ESTs	Hs.279120	EST	Hs.295621
ESTs	Hs.279121	EST	Hs.295622
ESTs	Hs.279122	EST, Moderately similar to RL13 HUMAN	
25.13	11012/9122	60S RIBOSOMAL PROTEIN L13	
		[H.sapiens]	
ESTs	Hs.279123	EST	Hs.295724
ESTs	Hs.279124	EST	Hs.296064
ESTs	Hs.279125	EST, Moderately similar to IDS HUMAN	Hs.296070
10013	113.277123	IDURONATE 2-SULFATASE	113.270070
		PRECURSOR [H.sapiens]	
ESTs	Hs.279126	EST	Hs.296073
ESTs	Hs.279127	interleukin enhancer binding factor 1	Hs.296281
EST	Hs.279127	similar to rat integral membrane	Hs.296429
1231	115.279126	glycoprotein POM121	115.290429
ESTs, Weakly similar to aconitase	Hs.279129	Human histocompatibility antigen mrna	Hs.296476
	IDS.219129		<u>118.290470</u>
[H.sapiens] ESTs	Hs.279130	clone phla-1	Ha 206552
ESTS	HS.2/9130	immunoglobulin lambda-like polypeptide 3	Hs.296552
ESTs	Hs.279131	RFXANK	Hs.296776
ESTs	Hs.279132		Hs.29826
ESTs	Hs.279133		Hs.29871
ESTs, Weakly similar to PYRG HUMAN	Hs.279134	MEKK1	Hs.298727
CTP SYNTHASE [H.sapiens]	1		
ESTs, Weakly similar to RIR1 HUMAN	Hs.279135		Hs.30029
RIBONUCLEOSIDE-DIPHOSPHATE			
REDUCTASE M1 CHAIN [H.sapiens]			
ESTs	Hs.279136	CD3e	Hs.3003
ESTs	Hs.279137	ESTs, Weakly similar to CA13 HUMAN	Hs.300697
		COLLAGEN ALPHA 1(III) CHAIN	
		PRECURSOR [H.sapiens]	
ESTs	Hs.279138	Homo sapiens clone BCSynL38	Hs.300865
		immunoglobulin lambda light chain variable	
		region mRNA, partial cds	
ESTs	Hs.279139	FCGR3A	Hs.300983
ESTs	Hs.279140	Homo sapiens DP47 gene for	Hs.301365
		immunoglobulin heavy chain, partial cds	
ESTs	Hs.279141	PMS2L9	Hs.301862
EST	Hs.279142	CCR1	Hs.301921
]		
ESTs	Hs.279143	FANCE	Hs.302003
ESTs	Hs.279144	interleukin 21	Hs.302014
ESTs	Hs.279145	interleukin 17E	Hs.302036
ESTs	Hs.279146		Hs.30446
EST	Hs.279147	EST	Hs.30709
ESTs	Hs.279148	EST	Hs.30731
ESTs	Hs.279149	MHC class II transactivator	Hs.3076
ESTs	Hs.279150	EST	Hs.30766

Table 2: Candidate genes, Database mining

ESTs, Weakly similar to PUR2_HUMAN	Hs.279151	EST	Hs.30793
TRIFUNCTIONAL PURINE			
BIOSYNTHETIC PROTEIN ADENOSINI	타		ļ
3 [H.sapiens]			
ESTs	Hs.279152		Hs.30818
ESTs	Hs.279153	CD97	Hs.3107
ESTs	Hs.279154	RAR-beta2	Hs.31408
ESTs	Hs.279155	RECQL4	Hs.31442
ESTs	Hs.279156	XPC	Hs.320
ESTs	Hs.279157	ERK2	Hs.324473
ESTs	Hs.279158		Hs.32456
ESTs	Hs.279159	MSH6	Hs.3248
ESTs	Hs.279160	ribosomal protein L23-related	Hs.3254
ESTs, Weakly similar to IDHA_HUMAN	Hs.279161	PI3CG	Hs.32942
ISOCITRATE DEHYDROGENASE			
[H.sapiens]			
ESTs	Hs.279162	CSA (CKN1)	Hs.32967
ESTs	Hs.279163	sema domain, immunoglobulin domain (Ig),	Hs.32981
		short basic domain, secreted, (semaphorin)	
		3F	
ESTs	Hs.279164	BRCA2	Hs.34012
ESTs	Hs.279165	MEK1	Hs.3446
ESTs	Hs.279166	STRL33 (CXCR6)	Hs.34526
ESTs	Hs.279167	MBD4	Hs.35947
ESTs	Hs.279168	immunoglobulin (CD79A) binding protein 1	Hs.3631
EST	Hs.279169	CD7	Hs.36972
ESTs	Hs.279170	IFNA1	Hs.37026
ESTs	Hs.279171	PDGF-A	Hs.37040
EST	Hs.279172	immunoglobulin kappa variable 1-13	Hs.37089
ESTs	Hs.279174	DMC1	Hs.37181
ESTs	Hs.279175		Hs.37892
CD86	Hs.27954	Homo sapiens suppressor of variegation 3-9	
		(Drosophila) homolog (SUV39H) mRNA,	
		and translated products.	1
CGI-81 protein	Hs.279583	C8B	Hs.38069
ESTs	Hs.279821	MTH1 (NUDT1)	Hs.388
ESTs	Hs.279823	Adrenomedullin	Hs.394
ESTs, Weakly similar to IRE1 HUMAN	Hs.279824		Hs.39441
IRON-RESPONSIVE ELEMENT			
BINDING PROTEIN 1 [H.sapiens]			
ESTs	Hs.279825	CD66b	Hs.41
ESTs	Hs.279826	RAD50	Hs.41587
MLH3	Hs.279843	CD94	Hs.41682
TNFRSF14	Hs.279899	HLJ1	Hs.41693
RPA4	Hs.283018	ESM1	Hs.41716
EST	Hs.283165	MSH3	Hs.42674
EST	Hs.283166	cAMP responsive element binding protein-	Hs.42853
	12.205100	like 1	

Table 2: Candidate genes, Database mining

	** ***
	Hs.283167
EST	Hs.283168
ESTs	Hs.283169
	Hs.283245
	Hs.283247
	Hs.283248
	Hs.283249
	Hs.283250
	Hs.283251
	Hs.283252
	Hs.283253
	Hs.283254
EST	Hs.283255
EST	Hs.283256
EST	Hs.283257
EST	Hs.283258
ESTs	Hs.283259
EST	Hs.283261
EST	Hs.283262
EST	Hs.283263
EST	Hs.283264
EST	Hs.283266
ESTs	Hs.283268
EST	Hs.283269
EST, Weakly similar to AF189011_1 ribonuclease III [H.sapiens]	Hs.283270
EST T	Hs.283271
EST	Hs.283272
EST	Hs.283274
EST	Hs.283275
EST	Hs.283276
ESTs, Weakly similar to S32605 collagen	Hs.283392
alpha 3(VI) chain - mouse [M.musculus]	XX 000 100
ESTs	Hs.283433
ESTs	Hs.283434
ESTs	Hs.283438
ESTs	Hs.283442
ESTs 4	Hs.283443
ESTs	Hs.283456
ESTs	Hs.283457
ESTs, Weakly similar to similar to collagen [C.elegans]	Hs.283458
ESTs	Hs.283459
ESTs	Hs.283460
ESTs	Hs.283462
ESTs	Hs.283463
ESTs	Hs.283496

IKBKG	Hs.43505
Homo sapiens suppressor of white apricot	Hs.43543
homolog 2 (SWAP2), mRNA.	
LEU2	Hs.43628
Homo sapiens immunoglobulin lambda	Hs.43834
gene locus DNA, clone:288A10	10.1505
SIRT2	Hs.44017
DIK12	Hs.44087
TREM2	Hs.44234
serine/threonine kinase 19	Hs.444
serme/uncomme kmase 19	Hs.44512
	Hs.44628
	Hs.45063
I TC4these	Hs.456
LTC4 synthase	Hs.46328
FUT2	
CCR6	Hs.46468 Hs.46964
POLM	
EXO1 (HEX1)	Hs.47504
FEN1 (Dnase IV)	Hs.4756
	Hs.4863
golgin-165	Hs.4953
	Hs.50102
ATP-binding cassette, sub-family B	<u>Hs.502</u>
(MDR/TAP), member 3	
	Hs.5057
corneodesmosin	Hs.507
Histone H2 (H2AFP)	Hs.51011
CCNH	Hs.514
EST	Hs.5146
SMUG1	Hs.5212
ABH (ALKB)	Hs.54418
CCR5	Hs.54443
CD81	Hs.54457
TNFSF13	Hs.54673
PRPS1	Hs.56
	Hs.56156
	Hs.56265
killer cell immunoglobulin-like receptor,	Hs.56328
three domains, long cytoplasmic tail, 2	
EST	Hs.5656
	Hs.56845
MLH1	Hs.57301
testis specific basic protein	Hs.57692
testis specific basic protein	113.57072
ESTs	Hs.57841
Human 6Ckine	Hs.57907
EST	Hs.5816
Homo sapiens cell growth regulatory with	Hs.59106
ring finger domain (CGR19) mRNA.	Un 50544
ERCC1	Hs.59544

Table 2: Candidate genes, Database mining

ESTs	Hs.283497		Hs.61558
ESTs	Hs.283499	Homo sapiens GPI transamidase mRNA,	Hs.62187
L313	110.203 177	complete cds.	
ESTs	Hs.283500	complete eds.	Hs.62699
ESTs, Weakly similar to ORF YDL014w	Hs.283504		Hs.63913
[S.cerevisiae]	113.203301		
ESTs, Weakly similar to S09646 collagen	Hs.283505	Homo sapiens chloride intracellular channel	Hs 64746
alpha 2(VI) chain precursor, medium splice	113.203303	3 (CLIC3), mRNA.	
]	5 (CEICS), IIICVA.	
form - human [H.sapiens]	Hs.283608	FANCF	Hs.65328
ESTs	Hs.283743	PANCE	Hs.6544
CD42c	Hs.283750	interleukin 1 receptor-like 1	Hs.66
tenascin XA		CD38	Hs.66052
immunoglobulin kappa variable 1D-8	Hs.283770	<u>CD38</u>	Hs.6607
protocadherin gamma subfamily A, 2 (PCDHGA2)	Hs.283801		115.0007
Homo sapiens mRNA; cDNA	Hs.283849	RAD54L	Hs.66718
	115.203049	ICAD54L	
DKFZp762F0616 (from clone			
DKFZp762F0616)	11- 202076	SCYA17 (CCL17)	Hs.66742
Homo sapiens clone bsmneg3-t7	Hs.283876	SCIAIT (CCLIT)	113.00742
immunoglobulin lambda light chain VJ			
region, (IGL) mRNA, partial cds	XX 202070	П 10	Hs.673
Homo sapiens transgenic-JHD mouse #2357	Hs.2838/8	IL-12	HS.073
immunoglobulin heavy chain variable	ŀ		
region (IgG VH251) mRNA, partial cds			
	TT 202002	II II. 12 40	Hs.674
Homo sapiens clone N97 immunoglobulin	Hs.283882	Human IL-12 p40	115.074
heavy chain variable region mRNA, partial	1		
cds	77. 202024	LU DD4	Hs.67846
Homo sapiens clone case06H1	Hs.283924	LILRB4	IUS.01040
immunoglobulin heavy chain variable			
region gene, partial cds			11 (007)
Homo sapiens HSPC077 mRNA, partial cds	Hs.283929	interleukin 5 receptor, alpha	Hs.68876
Homo sapiens HSPC088 mRNA, partial cds	He 283031		Hs.6891
Homo sapiens rist coss mixiva, partial cus	113.203731		110.0051
Homo sapiens HSPC097 mRNA, partial cds	Hs.283933		Hs.69233
•			
Homo sapiens HSPC102 mRNA, partial cds	Hs.283934	FUT1	Hs.69747
		7	II. 60771
Homo sapiens HSPC107 mRNA, partial cds	Hs.283935	B-factor, properdin	<u>Hs.69771</u>
C) (VID) 1	11 20400		He 70222
CMKRL1	Hs.28408		Hs.70333 Hs.71618
FANCA	Hs.284153		HS./1018
Homo sapiens immunoglobulin mu chain	Hs.284277	RAD1	Hs.7179
antibody MO30 (IgM) mRNA, complete			
cds			
gamma-glutamyltransferase 1	Hs.284380	interleukin 19	Hs.71979
putative human HLA class II associated	Hs.285013	MEK2	Hs.72241
protein I	113.203013	1712/12	
interleukin 13 receptor, alpha 1	Hs.285115	IL-7	Hs.72927
	Hs.285401	STAT2	Hs.72988
CDw131	JUS:792401	01A12	1113.72300

Table 2: Candidate genes, Database mining

II	Hs.287403
Homo sapiens VH2-D3.10-JH5b gene for	<u>MS.207403</u>
immunoglobulin heavy chain variable	
region	Hs.287697
Homo sapiens cDNA: FLJ22546 fis, clone	HS.20/09/
HSI00290	II- 207720
Homo sapiens cDNA: FLJ23140 fis, clone	Hs.287728
LNG09065	II 007011
H.sapiens mRNA for HLA-C alpha chain	<u>Hs.287811</u>
(Cw*1701)	TT 007015
Homo sapiens clone ASMneg1-b1	Hs.287815
immunoglobulin lambda chain VJ region,	
(IGL) mRNA, partial cds	
Homo sapiens clone CPRF1-T2	Hs.287816
immunoglobulin lambda chain VJ region,	
(IGL) mRNA, partial cds	
EST	Hs.287817
myelin protein zero-like 1	Hs.287832
immunoglobulin lambda-like polypeptide 1	Hs.288168
cathepsinB	Hs.288181
G18.2 protein	Hs.288316
ESTs	Hs.288403
EST	Hs.288431
Homo sapiens partial IGVH2 gene for	Hs.288553
immunoglobulin heavy chain V region, case	110.120.00
2, cell B 45	
polymeric immunoglobulin receptor	Hs.288579
Human immunoglobulin heavy chain	Hs.288711
variable region (V4-4) gene, partial cds	113.200711
Human immunoglobulin heavy chain	Hs.289036
variable region (V4-4b) gene, partial cds	113.207030
variable region (v4-4b) gene, partial cus	Hs.28921
EST	Hs.289577
EST	Hs.289836
EST	Hs.289878
GSN	Hs.290070
USIN	115.270070
EST, Weakly similar to unnamed protein	Hs.290133
product [H.sapiens]	
EST	Hs.290227
ESTs	Hs.290315
EST	Hs.290339
EST	Hs.290340
	Hs.29055
EST	Hs.291125
EST	Hs.291126
CD91= LRP	Hs.89137

Hs.73839 Hs.73839 Hs.73858 MMP8 Hs.73862 Hs.73862 Hs.73862 Hs.73862 Hs.73885 G Hs.73895 Hs.73895 Hs.73991 Hs.73991 Hs.73991 Hs.73931 Hs.73931 Hs.73931 Hs.73931 Hs.7402 Hs.7401 Hs.7402 Hs.7402 Hs.7402 Hs.7401 Hs.7402 Hs.7401 Hs.7402 Hs.7401 Hs.7402 Hs.7401 Hs.7403 Hs.74076 Immunoglobulin superfamily, member 2 Hs.74115 Hs.7434 Hs.7434 Hs.7434 Hs.7434 Hs.7434 Hs.7434 Hs.75063 Immunodeficiency virus type I Hs.75063 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficie	CD42d	Hs.73734
Hs.73839 Hs.73839 Hs.73858 MMP8 Hs.73862 Hs.73862 Hs.73862 Hs.73862 Hs.73885 G Hs.73895 Hs.73895 Hs.73991 Hs.73991 Hs.73991 Hs.73931 Hs.73931 Hs.73931 Hs.73931 Hs.7402 Hs.7401 Hs.7402 Hs.7402 Hs.7402 Hs.7401 Hs.7402 Hs.7401 Hs.7402 Hs.7401 Hs.7402 Hs.7401 Hs.7403 Hs.74076 Immunoglobulin superfamily, member 2 Hs.74115 Hs.7434 Hs.7434 Hs.7434 Hs.7434 Hs.7434 Hs.7434 Hs.75063 Immunodeficiency virus type I Hs.75063 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Hs.75080 Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficiency virus type I Immunodeficie		
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HLA-G histocompatibility antigen, class I, G TNFRSF9	CPN2	Hs.73858
HLA-G histocompatibility antigen, class I, G TNFRSF9	MMP8	Hs.73862
TNFRSF9 IL-4 Hs.73917 HLA-DQB1 RAG1 LAG-3 Hs.74011 Hs.7402 CD163 Immunoglobulin superfamily, member 2 Hs.74115 CD158b Hs.74115 CD158b Hs.7434 TCRa Hs.7434 TCRa Hs.74647 human immunodeficiency virus type I enhancer-binding protein 2 MLN50 lysyl hydroxylase (PLOD) TAK1 Homo sapiens transcription factor 6-like 1 (mitochondrial transcription factor 1-like) (TCF6L1) mRNA. UBE2N (UBC13, BTG1) Hs.75355 Hs.75450 Hs.75569 CD122 CD14 nuclear factor erythroid 2 isoform f=basic leucine zipper protein {alternatively spliced}		
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Hs.73917 Hs.73931 Hs.73931 Hs.73931 Hs.73931 Hs.73931 Hs.73931 Hs.73931 Hs.73931 Hs.74011 Hs.7402 Hs.74012 Hs.74076 immunoglobulin superfamily, member 2 Hs.74115 Hs.74115 Hs.74115 Hs.74134 Hs.7434 Hs.7434 Hs.7434 Hs.74447 Human immunodeficiency virus type I enhancer-binding protein 2 Hs.75063 Hs.75080 Its.75080	G	!
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HILA-DQB1		Hs.73917
Hs.74011		
Hs.7402 Hs.74076 Hs.74076 immunoglobulin superfamily, member 2 Hs.74115 Hs.74115	RAG1	Hs.73958
Hs.7402	LAG-3	Hs.74011
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HSPA2 Hs.75452 CD151 Hs.75564 RELA Hs.75569 CD122 Hs.75596 CD14 Hs.75627 nuclear factor erythroid 2 isoform f=basic leucine zipper protein {alternatively spliced		Hs.75355
CD151 Hs.75564 RELA Hs.75569 CD122 Hs.75596 CD14 Hs.75627 nuclear factor erythroid 2 isoform f=basic leucine zipper protein {alternatively spliced		Hs.75450
CD151 Hs.75564 RELA Hs.75569 CD122 Hs.75596 CD14 Hs.75627 nuclear factor erythroid 2 isoform f=basic leucine zipper protein {alternatively spliced	HSPA2	
RELA Hs.75569 CD122 Hs.75596 CD14 Hs.75627 nuclear factor erythroid 2 isoform f=basic leucine zipper protein {alternatively spliced		Hs.75564
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nuclear factor erythroid 2 isoform f=basic leucine zipper protein {alternatively spliced		
leucine zipper protein {alternatively spliced		
C1QB <u>Hs.8986</u>		1
	C1QB	Hs.8986

Table 2: Candidate genes, Database mining

XPF (ERCC4)	Hs.89296
•	
Carbonic anhydrase IV	Hs.89485
CETP	Hs.89538
RAD52	Hs.89571
GTF2H1	Hs.89578
Fc fragment of IgE, high affinity I, receptor	Hs.897
for; alpha polypeptide	
transcript ch138	Hs.94881
	Hs.9578
IL-9	Hs.960
NFATC1	Hs.96149
OGG1	Hs.96398
	Hs.96499
NFKBIB	Hs.9731
XAB2 (HCNP)	Hs.9822
CD40	Hs652

superkiller viralicidic activity 2 (S.	Hs.89864
cerevisiae homolog)-like	
EST	Hs.90165
EST	Hs.90171
GTF2H3	Hs.90304
protein tyrosine kinase related sequence	Hs.90314
	Hs.90463
SGRF protein, Interleukin 23 p19 subunit	Hs.98309
XRCC1	Hs.98493
Homo sapiens mRNA for KIAA0543	Hs.98507
protein, partial cds.	
	Hs.9893
DIR1 protein	Hs.99134
XRCC3	Hs.99742
Elastase(leukocyte)	Hs.99863
JAK3	Hs.99877

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

Example	Offset	on Acc	Accession			Number	
Clone	Start	End	Number	UniGene	Signif	Clones	Genbank Description
56D1	1521	1685	D00022	Hs.25	1.00E-84	1	for F1 beta subunit, complete
586E3	1227	1448	NM_001686	Hs.25	1 00E-89	1	ATP synthase, H+ transporting, mitochondrial
459F4	1484	2522	NM_002832	Hs.35	0	3	protein tyrosine phosphatase, non-receptor t
41A11	885	1128	D12614	Hs.36	1.00E-125	1	lymphotoxin (TNF-beta), complete
41G12	442	1149	D10202	Hs.46	0	1	for platelet-activating factor receptor,
98È12	1928	2652	NM_002835	Hs 62	0	1	protein tyrosine phosphatase, non-receptor t
170E1	473	1071	U13044	Hs.78	0	1	nuclear respiratory factor-2 subunit alpha mRNA, com
40C6	939	1357	D11086	Hs.84	0	1	interleukin 2 receptor gamma chain
521F9	283	1176	NM_000206	Hs.84	0	8	interleukin 2 receptor, gamma (severe combined
60A11	989	1399	L08069	Hs.94	0	2	heat shock protein, E. coli DnaJ homologue complete cd
520B9	545	1438	NM 001539	Hs.94	0	3	heat shock protein, DNAJ-like 2 (HSJ2), mRNA /
460H9	626	1104	NM_021127		0	1	phorbol-12-myristate-13-acetate-induced p
127G12	651	1223	NM_004906		0	2	Wilms' tumour 1-associating protein (KIAA0105
586A7	438	808	NM_000971		0	3	ribosomal protein L7 (RPL7), mRNA /cds=(10,756
99H12	2447	4044	NM_002600		0	2	phosphodiesterase 4B, cAMP-specific (dunce (
464D4	2317	2910	NM_002344		0	1	leukocyte tyrosine kinase (LTK), mRNA /cds=(17
	10	385	NM_002515	Hs.214	1.00E-164	1	neuro-oncological ventral antigen 1 (NOVA1),
464B3 40A12	296	1153	L11695	Hs.220	0	1	activin receptor-like kinase (ALK-5) mRNA, complete
129A2	4138	4413	NM_000379	Hs 250	1.00E-155	1	xanthene dehydrogenase (XDH), mRNA
36B10	80	1475	AF068836	Hs.270	0	3	cytohesin binding protein HE mRNA, complete cd
45C11	58	1759	NM_004288		0	2	pleckstrin homology, Sec7 and coiled/coil dom
128C12	2555	3215	NM_000153		0	4	galactosylceramidase (Krabbe disease) (GALC)
67H2	259	1418	D23660	Hs.286	0	8	ribosomal protein, complete cds
151E6	624	1170	AF052124	Hs.313	0	1	clone 23810 osteopontin mRNA, complete cds /c
45A7	4	262	NM_000582		1.00E-136	1	secreted phosphoprotein 1 (osteopontin, bone
44C10	2288	2737	J03250	Hs.317	0	1	topoisomerase I mRNA, complete cds
00110	2067	2246	NIM COLEES	Un 227	0	2	/cds=(211,2508) / interleukin 10 receptor, alpha (IL10RA), mRNA
99H9	2867	3246	NM_001558		0	6	interleukin-10 receptor mRNA, complete
41B4	2867	3315	U00672	Hs.327 Hs.340	0	36	interferon gamma treatment inducible /cds=(14,1
144E1	283	989	M26683		0	1	lactoferrin /cds=(294,2429) /gb=X53961 /gi=
41A12	1854	2590	X53961	Hs.347	0	1	ccr2b (ccr2), ccr2a (ccr2), ccr5 (ccr5) and cc
40F1	1377	1734	U95626	Hs.395	0		fms-related tyrosine kinase 3 ligand (FLT3LG)
463H4	55	434	NM_001459		0	1	
127E1	552	1048	NM_005180		0	1	murine leukemia viral (bmi-1) oncogene homolo
73G12	189	1963	NM_004024		0	17	activating transcription factor 3 (ATF3), ATF
524A4	1361	2136	NM_004168		0	2	succinate dehydrogenase complex, subunit A,
41C7	1554	2097	D10925	Hs.516	0	1	HM145 /cds=(22,1089) /gb=D10925 /gi=219862
588A2	48	163	NM_001032		1.00E-59	1	ribosomal protein S29 (RPS29), mRNA /cds=(30,2
177B4	1	1674	AF076465	Hs.550	2.00E-37	2	PhLOP2 mRNA, complete cds /cds=(5,358) /gb=AF
68G5	2	1454	M26383	Hs.624	0	17	monocyte-derived neutrophil-activating protein (M
45F10	1	1454	NM_000584		0	11	interleukin 8 (IL8), mRNA /cds=(74,373) /gb=N
59F11	59	1822	X68550	Hs.652	0	14	TRAP mRNA for ligand of CD40 /cds=(56,841) /gb=X6
471C9	3115	3776	NM_000492		0	1	cystic fibrosis transmembrane conductance re
68D1	228	866	M20137	Hs.694	0	3	interleukin 3 (IL-3) mRNA, complete cds, clone pcD-SR
49H3	42	665	NM_000588	Hs.694	0	1	interleukin 3 (colony-stimulating factor, mu
147H3	110	340	BF690338	Hs.695	1.00E-102	1	602186730T1 cDNA, 3' end /clone=IMAGE:4299006
483E4	310	846	NM_000942	Hs.699	0	1	peptidylprolyl isomerase B (cyclophilin B) (
522B12	349	755	NM_000788	Hs.709	0	2	deoxycytidine kinase (DCK), mRNA /cds=(159,94

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				_			
331E5	1293	1470	J03634	Hs.727	9.00E-75	1	erythroid differentiation protein mRNA (EDF), comple
514D12	1164	1579	NM_004907	Hs.737	1.00E-169	3	immediate early protein (ETR101), mRNA /cds=(
73H7	1953	3017	AJ243425	Hs.738	0	8	EGR1 gene for early growth response protein 1 /
		454		Hs.738	0	5	ribosomal protein L14 (RPL14), mRNA
592A8	10		_			2	FK506-binding protein 1A (12kD) (FKBP1A), mRN
519A1	116	1527	NM_000801	Hs.752	1.00E-163		
109H11	1	1206	M60626	Hs.753	0	10	N-formylpeptide receptor (fMLP-R98) mRNA, complete
99C5	1	1175	NM_002029	Hs.753	0	25	formyl peptide receptor 1 (FPR1), mRNA
103C1	2285	2890	NM_002890	Hs.758	0	1	RAS p21 protein activator (GTPase activating p
41H4	3142	3332	NM_000419	Hs.785	1.00E-84	1	integrin, alpha 2b (platelet glycoprotein IIb
171D2	198	748	X54489	Hs.789	1.00E-132	2	melanoma growth stimulatory activity (MGSA)
458H7	2165	2818	NM_001656	Hs.792	0	1	ADP-ribosylation factor domain protein 1, 64
62B3	833	1241	M60278	Hs.799	0	2	heparin-binding EGF-like growth factor mRNA, complet
53G4	1299	2166	AK001364	Hs.808	0	6 .	FLJ10502 fis, clone NT2RP2000414, highly
597F3	1136	1797	NM_004966	Hs.808	0	2	heterogeneous nuclear ribonucleoprotein F (
143F7	575	985	M74525	Hs.811	0	3	HHR6B (yeast RAD 6 homologue) mRNA, complete
518H8	580	974	NM_003337	Hs.811	0	1	ubiquitin-conjugating enzyme E2B (RAD6 homol
	277	833	NM_002121	Hs.814	0	1	major histocompatibility complex, class II,
45G8			_	Hs.838	0	1	CD80 antigen (CD28 antigen ligand 1, B7-1 antig
41H11	719	1534	NM_005191				interleukin-13 (IL-13) precursor gene, complete cds
41G1.	117	557	U31120	Hs.845	0	1	interieukin-13 (iL-13) precuisor gene, complete cus
75E1	693	862	J05272	Hs.850	2.00E-58	4	IMP dehydrogenase type 1 mRNA complete
129B11	3361	3883	L25851	Hs.851	0	1	integrin alpha E precursor, mRNA, complete cds
481E9	3361	3742	NM_002208	Hs.851	1.00E-173	1	integrin, alpha E (antigen CD103, human mucosa
71G7	1	1193	NM_000619	Hs.856	0	111	interferon, gamma (IFNG), mRNA /cds=(108,608)
75H5	1	1193	X13274	Hs.856	0	314	interferon IFN-gamma /cds=(108,608) /gb=X13
525B12	672	894	NM_002341	Hs.890	1.00E-121	1	lymphotoxin beta (TNF superfamily, member 3)
40E8	75	999	AL121985	Hs.901	0	6	DNA sequence RP11-404F10 on chromosome 1q2
48H4	680	933	NM_001778	Hs.901	1.00E-130	2	CD48 antigen (B-cell membrane protein) (CD48)
179G8	1652	2181	AL163285	Hs.926	0	1	chromosome 21 segment HS21C085
48G11	1049	2092	NM_002463	Hs.926	0	3	myxovirus (influenza) resistance 2, homolog o
110B12	209	1734	M32011	Hs.949	0	8	neutrophil oxidase factor (p67-phox) mRNA, complete
99C9	207	1733	NM_000433	Hs.949	0	11	neutrophil cytosolic factor 2 (65kD, chronic g
125D2	958	1645	NM_004645		0	1	coilin (COIL), mRNA /cds=(22,1752) /gb=NM_004
458C1	1649	2285	NM_006025	Hs.997	0	1	protease, serine, 22 (P11), mRNA /cds=(154,126
40H11	621	864	L26953	Hs.1010	1.00E-135	1	chromosomal protein mRNA, complete cds /cds=(7
116D10	513	858	NM_002932		0	1	regulator of mitotic spindle assembly 1 (RMSA
40G11	1565	2151	M31452	Hs.1012	0	1	proline-rich protein (PRP) mRNA, complete
				Hs.1023	0	1	pyruvate dehydrogenase (lipoamide) alpha 1 (
192A6	321	908	NM_000284		2.00E-91		pleckstrin homology, Sec7 and coiled/coil dom
460H11	2158	2402	NM_004762			1	(clone lambda B34) cytotoxic T-lymphocyte-associate
41F12	291	565	M57888	Hs.1051	1.00E-112	ı	(Cione lambda 554) Cytotoxic 1-lymphocyte-associate
41A5	1311	1852	M55654	Hs.1100	0	1	TATA-binding protein mRNA, complete
461D7	999	1277	NM_002698		1.00E-92	1	POU domain, class 2, transcription factor 2 (P
597H9	1083	1224	NM_000660	Hs.1103	3.00E-75	1	transforming growth factor, beta 1 (TGFB1), mR
40B5	1433	2010	X02812	Hs.1103	0	1	transforming growth factor-beta (TGF-beta)
106A10	1977	2294	M73047	Hs.1117	1.00E-176	1	tripeptidyl peptidase II mRNA, complete cds /c
165E8	4273	4582	NM_003291	Hs.1117	1.00E-173	1	tripeptidyl peptidase II (TPP2), mRNA /cds=(23
63G12	1114	2339	D49728	Hs.1119	0	7	NAK1 mRNA for DNA binding protein, complete
45B10	1317	1857	NM_002135	Hs.1119	0	1	nuclear receptor subfamily 4, group A, member
37H3	568	783	M24069	Hs.1139	1.00E-119	1	DNA-binding protein A (dbpA) gene, 3' end
476F9	209	608	NM_000174	Hs.1144	0	1	glycoprotein IX (platelet) (GP9), mRNA /cds=(
43A10	1105	1357	U15085	Hs.1162	3.00E-41	1	HLA-DMB mRNA, complete cds

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

139D6	1345	1680	L11329	Hs.1183	1.00E-102	1	protein tyrosine phosphatase (PAC-1) mRNA, co
134B12	1233	1675	NM_004418	Hs.1183	0	1	dual specificity phosphatase 2 (DUSP2), mRNA
58F1	17	341	NM_002157	Hs.1197	0	1	heat shock 10kD protein 1 (chaperonin 10) (HSP
158G5	20	341	U07550	Hs.1197	1.00E-180	2	chaperonin 10 mRNA, complete cds
167C8	813	1453	NM_000022	Hs.1217	0	4	adenosine deaminase (ADA), mRNA /cds=(95,1186
10700	013	1400	14W_000022	110. (21)	· ·	•	(· · ·)
179H1	730	1452	X02994	Hs.1217	0	6	adenosine deaminase (adenosine aminohydrola
40E10	594	792	M38690	Hs.1244	1.00E-109	1	CD9 antigen mRNA, complete cds
41C5	1280	1438	AK024951	Hs.1279	2.00E-80	1	FLJ21298 fis, clone COL02040, highly sim
40E3	1002	1735	NM_000065	Hs.1282	0	1	complement component 6 (C6) mRNA /cd
40A11	1638	1821	K02766	Hs.1290	3.00E-98	1	complement component C9 mRNA, complete
40B12	4639	5215	NM_007289	Hs.1298	0	1	membrane metallo-endopeptidase (neutral end
41G2	1576	1870	M28825	Hs.1309	1.00E-115	1	thymocyte antigen CD1a mRNA, complete cds
41F8	1171	1551	AX023365	Hs.1349	0	1	Sequence 36 from Patent WO0006605
40E1	673	1147	M30142	Hs.1369	0	1	decay-accelerating factor mRNA, complete cds
118B12	1129	1719	NM_000574	Hs.1369	0	1	decay accelerating factor for complement (CD5
75F8	830	2979	NM_000399	Hs.1395	0	48	early growth response 2 (Krox-20 (Drosophila)
41F11	973	1428	M15059	Hs.1416	0	1	Fc-epsilon receptor (IgE receptor) mRNA, complete cd
							DNA DD4 450440 sharmana 420
110G12	1931	2071	AL031729	Hs.1422	2.00E-70	1	DNA seq RP1-159A19 on chromosome 1p36
113D10	1718	2066	NM_005248	Hs.1422	6.00E-76	2	Gardner-Rasheed feline sarcoma viral (v-fgr)
477C2	3292	3842	NM_000152	Hs.1437	0	1	glucosidase, alpha; acid (Pompe disease, glyc
124D1	795	1127	NM_000167	Hs.1466	0	1	glycerol kinase (GK), mRNA /cds=(66,1640) /gb
41B9	2231	2447	J03171	Hs.1513	1.00E-108	1	interferon-alpha receptor (HulFN-alpha-Rec) mRNA,
99F7	927	1889	NM_014882	Hs.1528	0	2	KIAA0053 gene product (KIAA0053), mRNA /cds=(
10000	4000	4507	NIM 005000	11- 4570	4 005 447	4	zinc finger protein 147 (estrogen-responsive
469G9	1220	1507	NM_005082	Hs.1579	1.00E-117	1	
195B7	190	1801	BC002971	Hs.1600	0	3	clone IMAGE:3543711, mRNA, partial cds /cds= dihydropyrimidine dehydrogenase (DPYD), mRN
195F10	3676	3856	NM_000110	Hs.1602	1.00E-85	1	
129E7	648	1827	L08176	Hs.1652	0	2	Epstein-Barr virus induced G-protein coupled recepto
478H5	1839	2050	NM_002056	Hs.1674	7.00E-79	1	glutamine-fructose-6-phosphate transaminas
39H1	436	865	L35249	Hs.1697	0	1	vacuolar H+-ATPase Mr 56,000 subunit (HO57) mR
183H8	972	1183	NM_001693		1.00E-106		ATPase, H+ transporting, lysosomal (vacuolar
481A4	1594	1785	NM_001420		2.00E-79	1	ELAV (embryonic lethal, abnormal vision, Dros
40B3	3846	4009	L39064	Hs.1702	4.00E-70	1	interleukin 9 receptor precursor (IL9R) gene,
176G8	1033		NM_006084	Hs.1706	0	1	interferon-stimulated transcription factor
589C11	1	1347	NM_005998	Hs.1708	0	2	chaperonin containing TCP1, subunit 3 (gamma)
70H5	1	494	X74801	Hs.1708	0	1	Cctg mRNA for chaperonin /cds=(0,1634) /gb=X7480
460C12	2210	3809	NM 012089	Hs.1710	0	1	ATP-binding cassette, sub-family B (MDR/TAP),
41D5	3310 484	1862	M28983	Hs.1722	0	3	interleukin 1 alpha (IL 1) mRNA, complete cds /
119E8	493	904	NM_000575	Hs.1722	1.00E-151		interleukin 1, alpha (IL1A), mRNA /cds=(36,851
479E11	5	268	NM_000417		1.00E-145		interleukin 2 receptor, alpha (IL2RA), mRNA /
62C8	85	1887	X01057	Hs.1724	0	2	interleukin-2 receptor /cds=(180,998) /gb=X
466A3	2166		NM_000889	Hs.1741	0	1	integrin, beta 7 (ITGB7), mRNA /cds=(151,2547)
107A4	4960		L33075	Hs.1742	0	1	ras GTPase-activating-like protein (IQGAP1)
189A5	4318		NM_003870		0	3	IQ motif containing GTPase activating protein
597D1	1230		NM_005356		1.00E-127		lymphocyte-specific protein tyrosine kinase
41C10	1057		J04142	Hs.1799	0	1	(lambda-gt11ht-5) MHC class I antigen-like gl
104H1	1854		L06175	Hs.1845	4.00E-54	1	P5-1 mRNA, complete cds /cds=(304,735) /gb=L06
98F7	34	2023	NM_006674		4.00E-63	5	MHC class I region ORF (P5-1), /cds=(304,735) /
104F1	1390		NM_002436		0	2	membrane protein, palmitoylated 1 (55kD) (MPP
171F7	1760		M55284	Hs.1880	0	1	protein kinase C-L (PRKCL) mRNA, complete cds
				_			

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

424D0	122	1182	NM_002727	Hs.1908	0	10	proteoglycan 1, secretory granule (PRG1), mRN
134B2	123 126	902	X17042	Hs.1908	0	11	hematopoetic proteoglycan core protein /cds
61C11	120	475	NM_001885	Hs.1940	0	1	crystallin, alpha B (CRYAB), mRNA
458G1	1 71	343		Hs.1948	1.00E-142	3	ribosomal protein S21 (RPS21), mRNA
520E10			NM_001761	Hs.1973	0	1	cyclin F (CCNF), mRNA /cds=(43,2403)
459D6	2435	3055	_	Hs.1987	0	2	CD28 antigen (Tp44) (CD28), mRNA /cds=(222,884
41H3	184	1620	NM_006139	115.1507	U	2	OD20 dinigen (15 11) (OD20), minution (===,001
71C5	721	1329	NM_000639	Hs.2007	0	2	tumor necrosis factor (ligand) superfamily, m
73C1	721	1603	X89102	Hs.2007	0	8	fasligand /cds=(157,1002)
135G3	940	1352	NM_002852	Hs.2050	6.00E-96	1	pentaxin-related gene, rapidly induced by IL
44A10	1562	1748	M58028	Hs.2055	7.00E-69	1	ubiquitin-activating enzyme E1 (UBE1) mRNA, complete
155G5	973	2207	AL133415	Hs.2064	0	7	DNA sequence from clone RP11-124N14 on chromosome 10.
599H7	48	3022	AK025306	Hs.2083	0	12	cDNA: FLJ21653 fis, clone COL08586,
71H1	1598	2163	NM_004419	Hs.2128	0	5	dual specificity phosphatase 5 (DUSP5), mRNA
69H7	1595	2161	U15932	Hs.2128	0	11	dual-specificity protein phosphatase mRNA, complete
00111	.000	2,0.	0.0002	7.0.2	-		
458C4	1928	2356	NM_005658	Hs.2134	0	1	TNF receptor-associated factor 1 (TRAF1), mRN
192E11	6	414	NM_002704	Hs.2164	0	1	pro-platelet basic protein (includes platele
40D12	1935	2645	M58597	Hs.2173	0	2	ELAM-1 ligand fucosyltransferase (ELFT) mRNA, comple
40E5	2834	3024	M59820	Hs.2175	1.00E-104	1	granulocyte colony-stimulating factor receptor (CSF
482D8	2521	2943	NM_000760	Hs.2175	0	2	colony stimulating factor 3 receptor (granuloc
60H6	918	1723	AF119850	Hs.2186	0	6	PRO1608 mRNA, complete cds /cds=(1221,2174) /
597F11	99	1267	NM_001404		0	29	eukaryotic translation elongation factor 1 g
595G4	6	570	L40410	Hs.2210	0	1	thyroid receptor interactor (TRIP3) mRNA, 3'
41H12	970	1353	X03656	Hs.2233	0	1	granulocyte colony-stimulating factor (G-C
461A9	287	730	Z29067	Hs.2236	0	1	H.sapiens nek3 mRNA for protein kinase
493E11	212	608	NM_000879	Hs.2247	1.00E-141	2	interleukin 5 (colony-stimulating factor, eo
150B5	363	815	X04688	Hs.2247	0	1	T-cell replacing factor (interleukin-5) /cd
461E12	255	342	NM_001565	Hs.2248	8.00E-34	1	small inducible cytokine subfamily B (Cys-X-C
129A8	1790	1970	NM_002309	Hs.2250	2.00E-94	1	leukemia inhibitory factor (cholinergic diff
40G10	2152	2560	X04481	Hs.2253	0	1	complement component C2 /cds=(36,2294) /gb=X
479A2	95	610	NM_000073	Hs.2259	0	2	CD3G antigen, gamma polypeptide (TiT3 complex
592G6	783	1163	NM_002950	Hs.2280	0	2	ribophorin I (RPN1), mRNA /cds=(137,1960) /gb
459G11	673	1316	NM_004931	Hs.2299	0	1	CD8 antigen, beta polypeptide 1 (p37) (CD8B1),
129B8	1159	1316	X13444	Hs.2299	1.00E-74	1	CD8 beta-chain glycoprotein (CD8 beta.1) /cd
467F12	2928	3239	NM_000346	Hs.2316	3.00E-85	1	SRY (sex determining region Y)-box 9 (campomeli
44A6	1506	1629	U23028	Hs.2437	7.00E-62	1	eukaryotic initiation factor 2B-epsilon mRNA, partia
127B8	1814	2405	NM_003816	Hs.2442	0	1	a disintegrin and metalloproteinase domain 9
36G6	1361	2019	D13645	Hs.2471	0	2	KIAA0020 gene, complete cds /cds=(418,1944)
458D6	396	961	NM_021966	Hs.2484	0	1	T-cell leukemia/lymphoma 1A (TCL1A), mRNA /c
124G1	966	1473	NM_005565	Hs.2488	0	1	lymphocyte cytosolic protein 2 (SH2 domain-con
107A6	1962	2031	U20158	Hs.2488	2.00E-22	1	76 kDa tyrosine phosphoprotein SLP-76 mRNA, complete
592E12	2175	2458	NM_002741	Hs.2499	1.00E-158	1	protein kinase C-like 1 (PRKCL1), mRNA /cds=(8
106A11	1455	2219	U34252	Hs.2533	0	2	gamma-aminobutyraldehyde dehydrogenase mRNA, compl
40F8	2201	2694	NM_003032	Hs.2554	0	1	sialyltransferase 1 (beta-galactoside alpha-
460G6	565	2052	NM_002094		0	2	G1 to S phase transition 1 mRNA
60G5	35	184	X92518	Hs.2726	7.00E-27	2	HMGI-C protein /cds=UNKNOWN
461F10	1034		NM_002145	Hs.2733	0	2	homeo box B2 (HOXB2), mRNA
69G2	408	1369	AK026515	Hs.2795	0	4	FLJ22862 fis, clone KAT01966, highly sim
71D8	13	541	NM_005566	Hs.2795	0	1	lactate dehydrogenase A (LDHA), mRNA /cds=(97

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

						_		A Liver to total time of patent reporter (LIED) mB
40H1	12	4119	4807	_	Hs.2798	0	1	leukemia inhibitory factor receptor (LIFR) mR
189C	12	696	1287	_	Hs.2853	0	2	poly(rC)-binding protein 1 (PCBP1), mRNA /cds
111E	8	1298	1938	_	Hs.2864	0	1	early endosome antigen 1, 162kD (EEA1), mRNA /
127F	12	34	248	NM_001033	Hs.2934	1.00E-109	1	ribonucleotide reductase M1 polypeptide (RRM
74G8	3	11	241	AK023088	Hs.2953	1.00E-128	38	FLJ13026 fis, clone NT2RP3000968, modera
128D	8	178	518	NM_000117	Hs.2985	1.00E-173	1	emerin (Emery-Dreifuss muscular dystrophy) (
1690	3 7	2406	3112	AL136593	Hs.3059	0	1	DKFZp761K102 (from clone DKFZp761K1
193A	۱3	2405	3017	NM_016451	Hs.3059	0	5	coatomer protein complex, subunit beta (COPB)
53F1	12	486	1007	L11066	Hs.3069	0	3	sequence /cds=UNKNOWN /gb=L11066 /gi=307322 /u
71E8	3	1623	2131	NM_004134	Hs.3069	0	2	heat shock 70kD protein 9B (mortalin-2) (HSPA9
458A		2236	2874	NM_014877	Hs.3085	0	1	KIAA0054 gene product; Helicase (KIAA0054), m
69E8	3	1752	1916	D31884	Hs.3094	7.00E-68	1	KIAA0063 gene, complete cds /cds=(279,887) /
66B3	3	251	1590	D32053	Hs.3100	0	2	for Lysyl tRNA Synthetase, complete cds /
458E		1645	1964	NM_001666	Hs.3109	1.00E-178	1	Rho GTPase activating protein 4 (ARHGAP4), mRN
331[2882		U26710	Hs.3144	0	1	cbl-b mRNA, complete cds /cds=(322,3270) /qb=U26710
73D9	9	1	613	AL031736	Hs.3195	0	18	DNA sequence clone 738P11 on chromosome 1q24.1-
					11- 0405	^	47	2 small inducible cytokine subfamily C, member
58B		1	607	NM_002995	Hs.3195	0	17	surfeit 1 (SURF1), mRNA /cds=(14,916) /gb=NM_
98F1		145	588	NM_003172		0	1	presentilin 1 (Alzheimer disease 3) (PSEN1), tr
124		1258	2414	NM_007318	Hs.3260	0	2	heat shock 70kD protein 6 (HSP70B') (HSPA6), mR
64G		1040	1569	NM_002155		0	1	heat-shock protein HSP70B' gene /cds=(0,1931)
36D	4	1116	1917	X51757	Hs.3268	0	4	/gb=X5
39H	11	1	507	BE895166	Hs.3297	1.00E-152	4	601436095F1 cDNA, 5' end /clone=IMAGE:3921239
1030	G4	16	540	NM_002954	Hs.3297	0	4	ribosomal protein S27a (RPS27A), mRNA /cds=(3
1271		1391	1806	AB037752	Hs.3355	0	1	mRNA for KIAA1331 protein, partial cds /cds=(0
1071		1932	2517	AK027064	Hs.3382	0	1	FLJ23411 fis, clone HEP20452, highly sim
1211	B3	1270	3667	NM_005134	Hs.3382	0	4	protein phosphatase 4, regulatory subunit 1 (
58H	11	104	573	NM_001122	Hs.3416	0	6	adipose differentiation-related protein (AD
75G		104	1314	X97324	Hs.3416	0	16	adipophilin /cds=(0,1313) /gb=X97324 /
182	A4	147	334	NM_001867	Hs.3462	1.00E-102	1	cytochrome c oxidase subunit VIIc (COX7C), mRN
134	D7	36	270	NM_001025	Hs.3463	1.00E-127	3	ribosomal protein S23 (RPS23), mRNA /cds=(13,4
192	B10	129	1135	AL357536	Hs.3576	0	3	mRNA full length insert cDNA clone EUROIMAGE 37
112	G12	56	687	NM_003001	Hs.3577	0	1	succinate dehydrogenase complex, subunit C,
526		143	537	BF666961	Hs.3585	0	1	602121608F1 cDNA, 5' end /clone=IMAGE:4278768
599	F10	2098	2351	NM_004834	Hs.3628	1.00E-118	2	mitogen-activated protein kinase kinase kina
594	F1	239	1321	NM_001551	Hs.3631	0	4	immunoglobulin (CD79A) binding protein 1 (IG
463	E7	911	1033	AL359940	Hs.3640	1.00E-63	1	mRNA; cDNA DKFZp762P1915 (from clone DKFZp762P
182	A9	657	1179	AL050268	Hs.3642	0	2	mRNA; cDNA DKFZp564B163 (from clone DKFZp564B1
38B	2.4	257	568	AB034205	Hs.3688	1.00E-151	3	for cisplatin resistance-associated ove
185		769	995	NM 006003		2.00E-88	1	ubiquinol-cytochrome c reductase, Rieske iro
587		716	1609	NM_006007		0	2	zinc finger protein 216 (ZNF216), mRNA /cds=(2
473		46	531	NM_021633		0	1	kelch-like protein C3IP1 (C3IP1), mRNA /cds=(
				AB002366	Hs.3852	0	1	mRNA for KIAA0368 gene, partial cds /cds=(0,4327)
194		2456						/gb
	9B4	526	1337	NM_000310		0	3	palmitoyl-protein thioesterase 1 (ceroid-lip
	5A10	1618		NM_002267		0	1	karyopherin alpha 3 (importin alpha 4) (KPNA3)
	8A8	1160		NM_002807		0	1	proteasome (prosome, macropain) 26S subunit,
102	2F7	4226	4531	AB023163	Hs.4014	1.00E-158	1	for KIAA0946 protein, partial cds /cds=(0

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				•		_	
50B8	1	166	AL117595	Hs.4055	3.00E-89	2	cDNA DKFZp564C2063 (from clone DKFZp564
473A10	1064	1709	NM_006582	Hs.4069	0	1	glucocorticoid modulatory element binding pr
524A12	2863	3386	AL136105	Hs.4082	0	1	DNA sequence from clone RP4-670F13 on chromosome 1q42
525E1	521	974	BC002435	Hs.4096	0	1	clone IMAGE:3346451, mRNA, partial cds /cds=
163G12	1130	1630	X52882	Hs.4112	0	6	t-complex polypeptide 1 gene /cds=(21,1691) /gb=X528
176A7	515	892	BC000687	Hs.4147	0	1	translocating chain-associating membrane p
185B5	3480	3707	AB023216	Hs.4278	1.00E-86	1	mRNA for KIAA0999 protein, partial cds /cds=(0
154E12	1731	2531	AF079566	Hs.4311	0	2	ubiquitin-like protein activating enzyme (UB
331C9	1595	1966	AF067008	Hs.4747	0	1	dyskerin (DKC1) mRNA, complete cds /cds=(60,16
182C8	1676	1966	NM_001363	Hs.4747	1.00E-148	2	dyskeratosis congenita 1, dyskerin (DKC1), mR
178C4	1623	2162	AL136610	Hs.4750	0	3	mRNA; cDNA DKFZp564K0822 (from clone DKFZp564K
107F9	3857	4266	AB032976	Hs.4779	0	1	for KIAA1150 protein, partial cds /cds=(0
191C11	1945	2618	AF240468	Hs.4788	0	3	nicastrin mRNA, complete cds /cds=(142,2271)
143G11	869	2076	AK022974	Hs.4859	0	2	FLJ12912 fis, clone NT2RP2004476, highly
127H11	977	1666	NM_020307	Hs.4859	0	1	cyclin L ania-6a (LOC57018), mRNA /cds=(54,163
479A11	215	544	AK001942	Hs.4863	1.00E-173	1	cDNA FLJ11080 fis, clone PLACE1005181 /cds=UN
73C5	2314	2851	AF105366	Hs.4876	0	1	K-Cl cotransporter KCC3a mRNA, alternatively
525F9	1059	1764	NM_006513	Hs.4888	0	3	seryl-tRNA synthetase (SARS), mRNA /cds=(75,1
114D8	931	1061	Z24724	Hs.4934	4.00E-52	1	H.sapiens polyA site DNA /cds=UNKNOWN /gb=Z24724 /gi=50503
587C10	1104	1343	NM 006787	Hs.4943	3.00E-94	1	hepatocellular carcinoma associated protein;
174F12	1749	2291	NM_018107	Hs.4997	0	3	hypothetical protein FLJ10482 (FLJ10482), mR
514C11	899	1489	AK021776	Hs.5019	0	1	cDNA FLJ11714 fis, clone HEMBA1005219, weakly
126H9	25	397	BE379724	Hs.5027	1.00E-118	1	601159415T1 cDNA, 3' end /clone=IMAGE:3511107
599B5	801	970	NM_017840	Hs.5080	5.00E-73	1	hypothetical protein FLJ20484 (FLJ20484), mR
47E5	4	720	AL034553	Hs.5085	0	2	DNA sequence from clone 914P20 on chromosome 20g13.13
122C11	492	860	NM 003859	Hs.5085	0	1	dolichyl-phosphate mannosyltransferase pol
116H6	1644		NM_014868		1.00E-102		ring finger protein 10 (RNF10), mRNA /cds=(698,
187G7	700	1268	NM_004710		0	1	synaptogyrin 2 (SYNGR2), mRNA /cds=(29,703) /
174G3	240	500	NM_003746		1.00E-144	4	dynein, cytoplasmic, light polypeptide (PIN)
145B6	199	695	BE539096	Hs.5122	1.00E-165	2	601061641F1 cDNA, 5' end /clone=IMAGE:3447850
486C1	1	529	BG028906	Hs.5122	0	2	602293015F1 cDNA, 5' end /clone=IMAGE:4387778
			DE007040		0	1	601891365F1 cDNA, 5' end /clone=IMAGE:4136752
69F6	62	455	BF307213	Hs.5174	0		
583F4	82	477	NM_001021		0	1	ribosomal protein S17 (RPS17), mRNA /cds=(25,4
74C4	1955		AK025367	Hs.5181	1.00E-179		FLJ21714 fis, clone COL10256, highly sim
73E12	702	987	AL109840	Hs.5184	1.00E-161		DNA sequence from clone RP4-543J19 on chromosome 20 C
180G4	26	639	NM_002212		0	2	integrin beta 4 binding protein (ITGB4BP), mRN
98F1	17	636	NM_014165		0	5	HSPC125 protein (HSPC125), mRNA /cds=(79,606)
525A8	479	992	NM_006698		0	1	bladder cancer associated protein (BLCAP), mR
99C1	19	507	NM_003333		0	3	ubiquitin A-52 residue ribosomal protein fusi
172D11	714	1805	NM_005721		0	3	ARP3 (actin-related protein 3, yeast) homolog
591F6	475	970	NM_015702		0	1	hypothetical protein (CL25022), mRNA /cds=(1
68H8	724	1190	NM_014106	Hs.5327	0	2	PRO1914 protein (PRO1914), mRNA /cds=(1222,14
194D12	2128	3 2499	AB018305	Hs.5378	0	1	mRNA for KIAA0762 protein, partial cds /cds=(0
501G11	823	1322	NM_020122		0	3	potassium channel modulatory factor (DKFZP434

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				Hybri	GIZACIOII	anaryo	,10
74B4	502	1257	AF008442	Hs.5409	0	7	RNA polymerase I subunit hRPA39 mRNA, complete
134H7	543	916	NM_004875	Hs.5409	0	1	RNA polymerase I subunit (RPA40), mRNA /cds=(2
168A3	1909	2379	AF090891	Hs.5437	0	1	clone HQ0105 PRO0105 mRNA, complete cds /cds=(
100/10	,,,,,	20.0					
145C10	2375	2564	AF016270	Hs.5464	1.00E-104	2	thyroid hormone receptor coactivating protein
587H7	1857	2563	NM_006696	Hs.5464	0	4	thyroid hormone receptor coactivating protein
183D10	1199	1347	NM_006495	Hs.5509	9.00E-40	1	ecotropic viral integration site 2B (EVI2B), m
181D7	1385	1752	AK002173	Hs.5518	0	1	cDNA FLJ11311 fis, clone PLACE1010102 /cds=UNK
173B1	1	642	NM_003315	Hs.5542	0	2	tetratricopeptide repeat domain 2 (TTC2), mRN
120F8	1782	2430	AF157323	Hs.5548	0	2	p45SKP2-like protein mRNA, complete cds /cds=
464H2	46	357	NM_000998	Hs.5566	1.00E-163	2	ribosomal protein L37a (RPL37A), mRNA /cds=(1
75F5	1252	2194	AK027192	Hs.5615	0	9	FLJ23539 fis, clone LNG08101, highly sim
56E8	27	205	AI570531	Hs.5637	2.00E-95	1	tm77g04.x1 cDNA, 3' end /clone=IMAGE:2164182
524G2	2	926	NM_006098	Hs.5662	0	9	guanine nucleotide binding protein (G protein
39F6	2311	2902	AB014579	Hs.5734	0	1	for KIAA0679 protein, partial cds /cds=(0
587G2	2883	4606	NM_012215	Hs.5734	0	11	meningioma expressed antigen 5 (hyaluronidase
469E5	5041	5393	NM_014864	Hs.5737	3.00E-75	2	KIAA0475 gene product (KIAA0475), mRNA /cds=(
					_	4	Secretary being being (I OCE1167) mPNA /cd
120H3	1022	1553	NM_016230	Hs.5741	0	1	flavohemoprotein b5+b5R (LOC51167), mRNA /cd FLJ22076 fis, clone HEP12479, highly sim
63H8	1049	1507	AK025729	Hs.5798	0	1	pelota (Drosophila) homolog (PELO), mRNA /cds
590D9	1015	1470	NM_015946	Hs.5798	0	1	FLJ20467 fis, clone KAT06638 /cds=(360,77
102E3	665	1027	AK000474	Hs.5811	0	1	chromosome 21 open reading frame 59 (C21ORF59),
187E5	665	1028	NM_017835	Hs.5811	0	1	Chromosome 21 open reading frame 33 (0210111 03),
39F9	1402	1728	AK025773	Hs.5822	0	3	FLJ22120 fis, clone HEP18874 /cds=UNKNOW
39E12	1064	1843	AF208844	Hs.5862	0	1	BM-002 mRNA, complete cds /cds=(39,296) /gb=A
173H9	906	1684	NM_016090	Hs.5887	0	2	RNA binding motif protein 7 (LOC51120), mRNA /
120E8	1702	2055	NM_012179	Hs.5912	1.00E-146	1	F-box only protein 7 (FBXO7), mRNA /cds=(205,17
195D1	1309	2656	AK025620	Hs.5985	0	8	cDNA: FLJ21967 fis, clone HEP05652, highly sim
116A6	1451	2073	AK024941	Hs.6019	0	1	cDNA: FLJ21288 fis, clone COL01927 /cds=UNKNOW
113F9	1232	1598	NM_002896	Hs.6106	1.00E-126	1	RNA binding motif protein 4 (RBM4), mRNA /cds=(
520H1	563	1007	NM_018285	Hs.6118	0	2	hypothetical protein FLJ10968 (FLJ10968), mR
180H12	5224	5568	AF315591	Hs.6151	1.00E-135	1∙	Pumilio 2 (PUMH2) mRNA, complete cds /cds=(23,3
185A7	612	1558	NM_016001	Hs.6153	0	6	CGI-48 protein (LOC51096), mRNA /cds=(107,167
595G2	3207	4752	Z97056	Hs.6179	0	10	DNA seq from clone RP3-434P1 on chromosome 22
592B11	234	4611	A1745230	Hs.6187	1.00E-130	6	wg10e05.x1 cDNA, 3' end /clone=IMAGE:2364704
590F2	994	1625	NM_004517		0	3	integrin-linked kinase (ILK), mRNA /cds=(156,
188A3	1550		_ М61906	Hs.6241	0	3	P13-kinase associated p85 mRNA sequence
103C12	502	1129	AF246238	Hs.6289	0	1	HT027 mRNA, complete cds /cds=(260,784) /gb=A
100C2	804	1111	AK024539	Hs.6289	1.00E-122	1	FLJ20886 fis, clone ADKA03257 /cds=(359,
480A11	1149		AB032977	Hs.6298	1.00E-46	1	mRNA for KIAA1151 protein, partial cds /cds=(0
473C8	3944	4149	NM_014859	Hs.6336	1.00E-106	1	KIAA0672 gene product (KIAA0672), mRNA /cds=(
125A10	1293	1766	NM_006791	Hs.6353	0	1	MORF-related gene 15 (MRG15), mRNA /cds=(131,1
182F5	143	2118	NM_018471	Hs.6375	0	3	uncharacterized hypothalamus protein HT010
587E8	398	2287	NM_016289		0	7	MO25 protein (LOC51719), mRNA /cds=(53,1078)
135C3	2519		AF130110	Hs.6456	0	2	clone FLB6303 PRO1633 mRNA, complete cds /cds=
178 B 5	1744	2425	AL117352	Hs.6523	0	2	DNA seq from clone RP5-876B10 on chromosome 1q42
522F10	2392	2591	NM_001183	Hs.6551	1.00E-110	2	ATPase, H+ transporting, lysosomal (vacuolar
595C4	1676		NM_021008		0	4	suppressin (nuclear deformed epidermal autor

				1191011	aa.	u	
481F3	745	904	AL117565	Hs.6607	9.00E-82	1	mRNA; cDNA DKFZp566F164 (from clone DKFZp566F1
124A3	1046	1575	NM 017792	Hs.6631	0	1	hypothetical protein FLJ20373 (FLJ20373), mR
177F11	1966	2281	AB046844	Hs.6639	1.00E-152	1	for KIAA1624 protein, partial cds /cds=(0
521G7	4600	5210	NM_014856	Hs.6684	0	2	KIAA0476 gene product (KIAA0476), mRNA /cds=(
54C6	265	756	AB037801	Hs.6685	0	1	for KIAA1380 protein, partial cds /cds=(0
75F7	95	3507	AB014560	Hs.6727	0	4	for KIAA0660 protein, complete cds /cds=(
477H12	2	457	BF976590	Hs.6749	0	1	602244267F1 cDNA, 5' end /clone=IMAGE:4335353
60A1	1028	1307	AB026908	Hs.6790	1.00E-155	1	for microvascular endothelial differenti
100G9	341	454	BE875609	Hs.6820	2.00E-58	1	601487048F1 cDNA, 5' end /clone=IMAGE:3889762
184F7	1259	1633	AF056717	Hs.6856	0	5	ash2l2 (ASH2L2) mRNA, complete cds /cds=(295,1
	4050	1714	NIN 004074	Un COEC	0	2	ash2 (absent, small, or homeotic, Drosophila,
195E7	1250	1711	NM_004674	Hs.6856	0	3	-
135F11	328	600	NM_020188	Hs.6879	1.00E-151	1	DC13 protein (DC13), mRNA /cds=(175,414) /gb= DKFZP434D156 protein (DKFZP434D156), mRNA /c
172G2	1477	1782	NM_015530	Hs.6880	1.00E-169	1	DKFZP434D156 protein (DKFZP454D156), HIKNA76
483G5	3712	3947	AL031681	Hs.6891	3.00E-72	1	DNA sequence from clone 862K6 on chromosome 20q12-13.1
184B1	1	622	AF006086	Hs.6895	0	3	Arp2/3 protein complex subunit p21-Arc (ARC21
599C12	1	622	NM_005719	Hs.6895	0	24	actin related protein 2/3 complex, subunit 3 (
43A1	2111	2312	AF037204	Hs.6900	9.00E-78	1	RING zinc finger protein (RZF) mRNA, complete c
105F6	638	1209	AK026850	Hs.6906	0	1	FLJ23197 fis, clone REC00917 /cds=UNKNOW
178G10	5939		AJ238403	Hs.6947	0	1	mRNA for huntingtin interacting protein 1 /cd
72A2	178	2992	AF001542	Hs.6975	0	9	AF001542 /clone=alpha_est218/52C1 /gb=
37F2	1757		AK022568	Hs.7010	0	1	FLJ12506 fis, clone NT2RM2001700, weakly
					8.00E-56	1	RAB7, member RAS oncogene family (RAB7), mRNA
598D3	1153	1299	NM_004637	П5.7010	0.00L-30	•	TOLDY, Hiember To to energe in terminy (19 12 7), manual
524C11	5542	5678	AB033034	Hs.7041	3.00E-72	1	mRNA for KIAA1208 protein, partial cds /cds=(2
109E10	452	1093	AF104921	Hs.7043	0	1	succinyl-CoA synthetase alpha subunit (SUCLA1
595F7	449	1150	NM_003849	Hs.7043	0	2	succinate-CoA ligase, GDP-forming, alpha sub
104H2	644	992	NM_020194	Hs.7045	1.00E-156	1	GL004 protein (GL004), mRNA /cds=(72,728) /gb
155C1	3322	3779	AK024478	Hs.7049	0	2	FLJ00071 protein, partial cds /cds=(3
473B1	3029		AB051492	Hs.7076	1.00E-152	1	mRNA for KIAA1705 protein, partial cds /cds=(1
125E3	3612		AL390127	Hs.7104	0	1	mRNA; cDNA DKFZp761P06121 (from clone DKFZp761
499B11	1451	1852	NM 021188	Hs.7137	0	2	clones 23667 and 23775 zinc finger protein (LOC
52B12	1850		U90919	Hs.7137	1.00E-174		clones 23667 and 23775 zinc finger protein mRNA,
							compl
486A11	855	1186	NM_003904		1.00E-132		zinc finger protein 259 (ZNF259), mRNA /cds=(2
460B6	2514		NM_021931		0	1	hypothetical protein FLJ22759 (FLJ22759), mR
592H8	3999	4524	AB051544	Hs.7187	0	2	mRNA for KIAA1757 protein, partial cds /cds=(3
180A10	102	468	AL117502	Hs.7200	1.00E-141	3	mRNA; cDNA DKFZp434D0935 (from clone DKFZp434
127A12	1503	2688	AL035661	Hs.7218	0	2	DNA sequence from clone RP4-568C11 on chromosome 20p1
592G9	12	263	NM_015953	Hs.7236	1.00E-138	3 2	CGI-25 protein (LOC51070), mRNA /cds=(44,949)
127E3	2624	4554	AB028980	Hs.7243	0	3	mRNA for KIAA1057 protein, partial cds /cds=(0
135F2	5029		AB033050	Hs.7252	3.00E-78	1	mRNA for KIAA1224 protein, partial cds /cds=(0
57G1	2299		NM_014319	Hs.7256	0	1	integral inner nuclear membrane protein (MAN1
122D11	2920		AB014558	Hs.7278	5.00E-74	1	mRNA for KIAA0658 protein, partial cds /cds=(0
471H6	1	449	AV702692	Hs.7312	0	1	AV702692 cDNA, 5' end /clone=ADBBQC12 /clone_
404045	404	4707	AE004555	Uo 7254	0	2	okadaic acid-inducible and cAMP-regulated ph
104G12	4314		AF084555	Hs.7351	0	2 5	voltage-dependent anion channel 3 (VDAC3), mR
590G7	771	1259	NM_005662	Hs.7381	0	5	voltago-dopondont anion onamior o (v b) too), mit

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				,			
159H2	355	1252	AL137423	Hs.7392	0	3	mRNA; cDNA DKFZp761E0323 (from clone DKFZp761E
161F3	1708	2371	NM_024045	Hs.7392	0	1	hypothetical protein MGC3199 (MGC3199), mRNA
195E1	1107	1362	NM_022736	Hs.7503	1.00E-129	1	hypothetical protein FLJ14153 (FLJ14153), mR
137F5	59	666	NM_018491	Hs.7535	0	2	COBW-like protein (LOC55871), mRNA /cds=(64,9
597E1	2302	2893	AF126028	Hs.7540	0	2	unknown mRNA /cds=(0,1261) /gb=AF126028 /gi=
473B6	3006	3302	AK025615	Hs.7567	1.00E-158	1	cDNA: FLJ21962 fis, clone HEP05564 /cds=UNKNOW
11000	0000	••••					
519H1	232	720	BG112505	Hs.7589	0	2	602282107F1 cDNA, 5' end /clone=IMAGE:4369729
73A9	106	3912	M20681	Hs.7594	0	8	glucose transporter-like protein-III (GLUT3), compl
51D3	106	3200	NM_006931	Hs.7594	0	2	solute carrier family 2 (facilitated glucose t
596E8	1512	1748	M94046	Hs.7647	1.00E-129	2	zinc finger protein (MAZ) mRNA /cds=UNKNOWN /gb=M9404
472A8	1575	1983	NM_004576	Hs.7688	0	1	protein phosphatase 2 (formerly 2A), regulator
191A10	386	889	NM_007278	Hs.7719	0	3	GABA(A) receptor-associated protein (GABARAP
459C4	5636	5897	AB002323	Hs.7720	2.00E-87	1	mRNA for KIAA0325 gene, partial cds /cds=(0,6265)
7000-1	0000	0001					/gb
99A12	606	1253	NM_018453	Hs.7731	0	1	uncharacterized bone marrow protein BM036 (BM
72G8	5806	6409	AB007938	Hs.7764	0	5	for KIAA0469 protein, complete cds /cds=(
45G2	6168	6404	NM 014851	Hs.7764	1.00E-132	1	KIAA0469 gene product (KIAA0469), mRNA /cds=(
			_				
172A4	371	588	NM_007273	Hs.7771	1.00E-107	1	B-cell associated protein (REA), mRNA /cds=(9
177B8	2055	2431	AK023166	Hs.7797	0	1	FLJ13104 fis, clone NT2RP3002343 /cds=(28
99B6	865	1244	NM_012461	Hs.7797	0	1	TERF1 (TRF1)-interacting nuclear factor 2 (T
160G8	727	860	U94855	Hs.7811	5.00E-66	1	translation initiation factor 3 47 kDa subunit
54G6	1	1007	AK001319	Hs.7837	1.00E-148	3	FLJ10457 fis, clone NT2RP1001424 /cds=UN
594A7	1295	1793	NM_013446	Hs.7838	0	4	makorin, ring finger protein, 1 (MKRN1), mRNA
188A12	1	2013	NM_017761	Hs.7862	0	3	hypothetical protein FLJ20312 (FLJ20312), mR
594A2	3060	3588	AK023813	Hs.7871	0	2	cDNA FLJ13751 fis, clone PLACE3000339, weakly
124C12	472	1251	NM_001550	Hs.7879	0	1	interferon-related developmental regulator
147A8	1381	1711	Y10313	Hs.7879	1.00E-134	1	for PC4 protein (IFRD1 gene) /cds=(219,158
74H3	4430	4978	AF302505	Hs.7886	0	2	pellino 1 (PELI1) mRNA, complete cds /cds=(4038
71G3	473	1112	NM_016224	Hs.7905	0	2	SH3 and PX domain-containing protein SH3PX1 (S
52C7	1637	2231	AB029551	Hs.7910	0	1	YEAF1 mRNA for YY1 and E4TF1 associated factor
177H5	5411	6045	AB002321	Hs.7911	0	1	KIAA0323 gene, partial cds /cds=(0,2175) /gb
114C8	1678	3078	NM_017657	Hs.7942	1.00E-149	2	hypothetical protein FLJ20080 (FLJ20080), mR
169D8	1453	2158	AK001437	Hs.7943	0	1	FLJ10575 fis, clone NT2RP2003295, highly
599G8	618	1204	NM_003796	Hs.7943	0	1	RPB5-mediating protein (RMP), mRNA /cds=(465,
127E11	107	796	NM_016099	Hs.7953	0	3	HSPC041 protein (LOC51125), mRNA /cds=(141,45
98D6	4769	6506	NM_001111	Hs.7957	0	20	adenosine deaminase, RNA-specific (ADAR), tr
37H10	2479	6594	X79448	Hs.7957	0	8	IFI-4 mRNA for type I protein /cds=(1165,3960) /g
178G4	4209	5132	AB028981	Hs.8021	0	4	mRNA for KIAA1058 protein, partial cds /cds=(0
118E9	630	1688	NM_006083	Hs.8024	0	2	IK cytokine, down-regulator of HLA II (IK), mRN
171A8	1658	1973	AK002026	Hs.8033	1.00E-151	1	FLJ11164 fis, clone PLACE1007226, weakly
103G5	1504	1977	NM_018346	Hs.8033	0	1	hypothetical protein FLJ11164 (FLJ11164), mR
179G7	2860	3032	AK022497	Hs.8068	6.00E-46	1	FLJ12435 fis, clone NT2RM1000059 /cds=(88
594A11	2327	2658	NM_018210	Hs.8083	1.00E-167	' 1	hypothetical protein FLJ10769 (FLJ10769), mR
103B5	1968	2448	AF267856	Hs.8084	0	1	HT033 mRNA, complete cds /cds=(203,931) /gb=A
98E4	1367	1808	AF113008	Hs.8102	0	7	clone FLB0708 mRNA sequence /cds=UNKNOWN /gb=
191H10	4581	5819	NM_018695	Hs.8117	0	3	erbb2-interacting protein ERBIN (LOC55914),
99F1	550	2672	AB014550	Hs.8118	0	4	mRNA for KIAA0650 protein, partial cds /cds=(0
165H11	488	663	NM_024408	Hs.8121	3.00E-93	1	Notch (Drosophila) homolog 2 (NOTCH2), mRNA /

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

515C7	2188	2514	AL050371	Hs.8128	1.00E-114	1	mRNA; cDNA DKFZp566G2246 (from clone DKFZp566G
166A12	234	1196	AF131856	Hs.8148	1.00E-155	2	clone 24856 mRNA sequence, complete cds /cds=(
520H8	512	712	NM_016275	Hs.8148	1.00E-110	1	selenoprotein T (LOC51714), mRNA /cds=(138,62
592D4	1	735	NM_014886	Hs.8170	1.00E-152		hypothetical protein (YR-29), mRNA /cds=(82,8
105F12	349	760	AK001665	Hs.8173	0	1	FLJ10803 fis, clone NT2RP4000833 /cds=(1
75A7	737	1458	AF000652	Hs.8180	0	1	syntenin (sycl) mRNA, complete cds /cds=(148,1
64H5	105	618	NM_005625	Hs.8180	0	3	syndecan binding protein (syntenin) (SDCBP),
61G9	3147	3660	AB018339	Hs.8182	0	2	for KIAA0796 protein, partial cds /cds=(0
					0		unknown mRNA /cds=(76,1428) /gb=AF042284 /gi
39G2	255 1054	1675 1580	AF042284	Hs.8185	0	4	CGI-44 protein; sulfide dehydrogenase like (y
192G5			NM_021199			8 2	transmembrane protein TM9SF3 (TM9SF3) mRNA, c
109D3	1463	2503	AF269150	Hs.8203	0	2	transmembrane protein (1835) 3 (1835) 3) mr. v., c
115H4	1251	3187	NM_020123	Hs.8203	0	12	endomembrane protein emp70 precursor isolog (
113F12	2349	3576	AL355476	Hs.8217	4.00E-35	2	DNA sequence from clone RP11-517O1 on chromosome X Co
125D5	582	1050	NM_005006	Hs.8248	0	1	NADH dehydrogenase (ubiquinone) Fe-S protein
460D3	4851	5043	AF035947	Hs.8257	7.00E-76	1	cytokine-inducible inhibitor of signalling t
111E7	729	3182	NM_013995	Hs.8262	0	2	lysosomal-associated membrane protein 2 (LAM
590F10	3012	4133	AK022790	Hs.8309	0	6	cDNA FLJ12728 fis, clone NT2RP2000040, highly
109B1	138	476	AW973507	Hs.8360	1.00E-161	1	EST385607 /gb=AW973507 /gi=8164686 /ug=
61A3	1137	1649	AB033017	Hs.8594	0	1	for KIAA1191 protein, partial cds /cds=(0
523E12	905	2998	NM 007271	Hs.8724	0	4	serine threonine protein kinase (NDR), mRNA /
590G2	3618	3932	NM_018031	Hs.8737	1.00E-166	3	WD repeat domain 6 (WDR6), mRNA /cds=(39,3404)
464C3	2299	2494	NM_018255	Hs.8739	1.00E-107	1	hypothetical protein FLJ10879 (FLJ10879), mR
128H8	1580	1711	NM_018450	Hs.8740	2.00E-64	1	uncharacterized bone marrow protein BM029 (BM
179D3	921	1457	AF083255	Hs.8765	0	1	RNA helicase-related protein complete c
195H11	1247	1481	NM_007269	Hs.8813	1.00E-100	1	syntaxin binding protein 3 (STXBP3), mRNA /cds
460F1	68	308	AA454036	Hs.8832	1.00E-105	1	zx48b04.r1 cDNA, 5' end /clone=IMAGE:795439 /
110E10	3672	5371	AB032252	Hs.8858	0	3	BAZ1A mRNA for bromodomain adjacent to zinc fi
113D1	4814	5890	NM_013448	Hs.8858	0	2	bromodomain adjacent to zinc finger domain, 1A
120H7	373	633	NM_017748	Hs.8928	1.00E-143	1	hypothetical protein FLJ20291 (FLJ20291), mR
470F10	1670	2260	NM_003917	Hs.8991	0	2	adaptor-related protein complex 1, gamma 2 su
72H11	1785	2418	M11717	Hs.8997	1.00E-147	23	heat shock protein (hsp 70) gene, complete cds /cds=(2
49H4	1769	2243	NM_005345	Hs.8997	1.00E-145	12	heat shock 70kD protein 1A (HSPA1A), mRNA /cds=
519E7	270	729	NM_003574	Hs.9006	0	1	VAMP (vesicle-associated membrane protein)-a
142E2	1265	1518	AK022215	Hs.9043	1.00E-107	1	FLJ12153 fis, clone MAMMA1000458 /cds=UNK
108B9	1160	1823	AJ002030	Hs.9071	0	1	for putative progesterone binding protein
47C7	452	795	AB011420	Hs.9075	0	1	for DRAK1, complete cds /cds=(117,1361) /
590A4	791	1377	NM_004760	Hs.9075	0	4	serine/threonine kinase 17a (apoptosis-induc
168D11	1000	1641	NM_017426	Hs.9082	0	1	nucleoporin p54 (NUP54), mRNA /cds=(25,1542)
63H9	799	1163	Y17829	Hs.9192	0	1	for Homer-related protein Syn47 /cds=(75,
167B11	1466	1863	NM_006251	Hs.9247	0	1	protein kinase, AMP-activated, alpha 1 cataly
196D5	1021	1492	AK024327	Hs.9343	0	1	cDNA FLJ14265 fis, clone PLACE1002256 /cds=UNK
192F3	245	790	NM_017983	Hs.9398	0	1	hypothetical protein FLJ10055 (FLJ10055), mR
121C3	3381	3567	AF217190	Hs.9414	3.00E-90	1	MLEL1 protein (MLEL1) mRNA, complete cds /cds=
196B6	959	1551	NM_003601	Hs.9456	0	1	SWI/SNF related, matrix associated, actin dep
331B5	2624	2950	AF027302	Hs.9573	1.00E-179	1	TNF-alpha stimulated ABC protein (ABC50) mRNA
592E11	1	479	NM_002520	Hs.9614	1.00E-139	7	nucleophosmin (nucleolar phosphoprotein B23
515D6	1739	2091	AB037796	Hs.9663	1.00E-160	1	mRNA for KIAA1375 protein, partial cds /cds=(0
124A5	1387	1762	NM_012068	Hs.9754	0	2	activating transcription factor 5 (ATF5), mRN

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				Hybrid	4124ti011	ر د د د د د د د د د د د د د د د د د د د	,,,,,
122A7	1484	1928	AB028963	Hs.9846	1.00E-154	1	mRNA for KIAA1040 protein, partial cds /cds=(0
591E2	1626	2194		Hs.9851		5	C/EBP-induced protein mRNA, complete cds /cds
111G2	4208	5361	AB033076	Hs.9873	-	2	mRNA for KIAA1250 protein, partial cds /cds=(0
469D5	932	3551	AK022758	Hs.9908		6	cDNA FLJ12696 fis, clone NT2RP1000513, highly
	172	742	NM_001425	Hs.9999	2.00E-94	2	epithelial membrane protein 3 (EMP3), mRNA /c
590D5		1753	NM_001423		0	1	cathepsin C (CTSC), mRNA /cds=(33,1424) /gb=N
112E7	1065		X87212	Hs.10029	0	1	cathepsin C /cds=(33,1424) /gb=X87212 /
106C7	1066	1641		Hs.10029	0	1	KIAA0955 protein (KIAA0955), mRNA /cds=(313,1
127B1	1003	1429	NM_014959		3 00E-46	1	UI-H-BI2-ahm-e-02-0-UI.s1 cDNA, 3' end /clon
462E5	332	487	AW293461		6.00E-98	1	seven transmembrane protein TM7SF3 (TM7SF3),
190E3	101	356	NM_016551	Hs.10071			chromosome 21 segment HS21C049 /cds=(128,2599
61B6	2571	2764	AL163249	Hs.10175	7.00E-94	1	Ciliomosome 21 segment receive (125,200)
110F6	5310	5808	D87432	Hs.10315	0	1	KIAA0245 gene, complete cds /cds=(261,1808)
196E10	5312	5753	NM 003983	Hs.10315		1	solute carrier family 7 (cationic amino acid t
	315	2207	AK024597	Hs.10362		3	cDNA: FLJ20944 fis, clone ADSE01780 /cds=UNKNO
49D8	313	2201	A11024557	113.10002	Ū		
129C7	1000	1364	AB018249	Hs.10458	0	1	CC chemokine LEC, complete cds /cds=(1
62F11	1239	2034	AL031685	Hs.10590	0	2	DNA sequence from clone RP5-963K23 on
021 11	1200						chromosome 20q1
460D5	86	815	AL357374	Hs.10600	0	4	DNA sequence from clone RP11-353C18 on
							chromosome 20
179C12	3765	4300	AK000005	Hs.10647	0	2	FLJ00005 protein, partial cds /cds=(0
482D12	1753	2359	NM_004848	Hs.10649	0	1	basement membrane-induced gene (ICB-1), mRNA
184F4	2686	3194	AL137721	Hs.10702	0	1	mRNA; cDNA DKFZp761H221 (from clone DKFZp761H2
186F10	2688	3084	NM_017601	Hs.10702	1.00E-137	2	hypothetical protein DKFZp761H221 (DKFZp761H
461E3	593	1110	NM_021821	Hs.10724	0	1	MDS023 protein (MDS023), mRNA /cds=(335,1018)
			_				DAY 1 1 (75
598D5	660	1191	NM_014306	Hs.10729	0	2	hypothetical protein (HSPC117), mRNA /cds=(75
125D9	104	397	NM_002495	Hs.10758	1.00E-165	1	NADH dehydrogenase (ubiquinone) Fe-S protein
36A7	172	1114	NM_006325	Hs.10842	0	11	RAN, member RAS oncogene familyRAN, member RAS
54H1	240	1467	NM_012257	Hs.10882	0	2	HMG-box containing protein 1 (HBP1), mRNA /cds
596B8	1186	1895	AK025212	Hs.10888	0	17	cDNA: FLJ21559 fis, clone COL06406 /cds=UNKNOW
							0.40 (OFPLI) (nh -770220
458G7	989	1492	Z78330	Hs.10927		1	HSZ78330 cDNA /clone=2.49-(CEPH) /gb=Z78330
115D2	308	638	BF793378	Hs.10957	1.00E-102	1	602254823F1 cDNA, 5' end /clone=IMAGE:4347076
148H9	226	863	AF021819	Hs.10958	0	1	RNA-binding protein regulatory subunit mRNA,
173D5	356	816	NM_007262	Hs.10958	0	1	RNA-binding protein regulatory subunit (DJ-1
39B7	1553	2256	AF063605	Hs.11000	0	1	brain my047 protein mRNA, complete cds /cds=(8
592H5	1553	2257	NM_015344	Hs.11000	0	3	MY047 protein (MY047), mRNA /cds=(84,479) /gb
112G3	2591		AB046813	Hs.11123	0	1	mRNA for KIAA1593 protein, partial cds /cds=(4
592E8	251	725	NM_014041			2	HSPC033 protein (HSPC033), mRNA /cds=(168,443
							TALL () (00 4500) (-
477A2	1610	1697	NM_003100		8.00E-43	2	sorting nexin 2 (SNX2), mRNA /cds=(29,1588) /g
41G4	6498	6751	AB014522		1.00E-142		for KIAA0622 protein, partial cds /cds=(0
519A3	759	987	NM_018371	Hs.11260	1.00E-127	' 1	hypothetical protein FLJ11264 (FLJ11264), mR
175B4	404	688	BE788546	Hs.11355	4.00E-75	1	601476186F1 cDNA, 5' end /clone=IMAGE:3878948
114F11	245	401	BF665055	Hs.11356	4.00E-55	1	602119656F1 cDNA, 5' end /clone=IMAGE:4276860
40D2	96	824	U59808	Hs.11383	3 0	1	monocyte chemotactic protein-4 precursor (MCP-4) mR
109C3	767	2345	M74002	Hs.11482	2 0	2	arginine-rich nuclear protein mRNA, complete cds /cds
117G9	408	2345	NM_004768	3 Hs.11482	2 0	8	splicing factor, arginine/serine-rich 11 (SF

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				nybric	IIZauon	allalys	515
458G6	2053	2164	AK022628	Hs.11556	1.00E-54	1	cDNA FLJ12566 fis, clone NT2RM4000852 /cds=UNK
181E7	644	1004	AK021632	Hs.11571	1.00E-167	1	cDNA FLJ11570 fis, clone HEMBA1003309 /cds=UNK
4E0D2	85	522	R12665	Hs.11594	1.00E-137	1	yf40a04.s1 cDNA, 3' end /clone=IMAGE:129294 /
458B3	498	677	BE794595			1	601590368F1 5' end /clone=IMAGE:3944489
146B6			BG288429		1.00E-132		602388093F1 cDNA, 5' end /clone=IMAGE:4517086
516F12	388	711	BG200423				
60B1	1291	1882	NM_005121	Hs.11861	•	1	thyroid hormone receptor-associated protein,
44C6	2613	2834	NM_000859			1	3-hydroxy-3-methylglutaryl-Coenzyme A reduc
39F10	1	221	BF668230	Hs.12035	1.00E-120	2	602122419F1 cDNA, 5' end /clone=IMAGE:4279300
596D8	234	849	U72514	Hs.12045	0	2	C2f mRNA, complete cds
481E7	1902	2190	AB028986	Hs.12064	1.00E-151	1	mRNA for KIAA1063 protein, partial cds /cds=(0
465D9	2529	2699	NM_004003	Hs.12068	8.00E-91	1	carnitine acetyltransferase (CRAT), nuclear
116H8	283	738	NM_003321	Hs.12084	0	1	Tu translation elongation factor, mitochondri
44A4	319	836	S75463	Hs.12084	0	1	P43=mitochondrial elongation factor homolog [human, live
114F7	4254	4495	AL137753	Hs.12144	1.00E-115	1	mRNA; cDNA DKFZp434K1412 (from clone DKFZp434K
100E10	1	219	NM_021203	Hs 12152	1.00E-114	1	APMCF1 protein (APMCF1), mRNA /cds=(82,225) /
123F12 519H7	166	753	AK025775	Hs.12245		1	cDNA: FLJ22122 fis, clone HEP19214 /cds=UNKNOW
70E3	953	4720	AB014530	Hs.12259	0	3	for KIAA0630 protein, partial cds /cds=(0
107H1	680	1078	AK024756	Hs.12293		1	FLJ21103 fis, clone CAS04883 /cds=(107,1
71E5	4750		NM_003170			1	suppressor of Ty (S.cerevisiae) 6 homolog (SUP
		1490	AL050272	Hs.12305		1	cDNA DKFZp566B183 (from clone DKFZp566B1
106F3	977		NM_015509	Hs.12305		1	DKFZP566B183 protein (DKFZP566B183), mRNA /c
481F4	1859	2403	MM_013309	113.12000		•	
114D3	1271	1520	AF038202	Hs.12311	1.00E-118	1	clone 23570 mRNA sequence /cds=UNKNOWN /gb=AF0
463B9	1006	1224	AK021670	Hs.12315	1.00E-121	1	cDNA FLJ11608 fis, clone HEMBA1003976 /cds=(56
167A8	71	723	BG034192	Hs.12396	0	2	602302446F1 cDNA, 5' end /clone=IMAGE:4403866
460E9	3808	4166	D83776	Hs.12413	1.00E-176	1	mRNA for KIAA0191 gene, partial cds /cds=(0,4552) /gb
157E1	1887	3154	NM_020403	Hs.12450	0	3	cadherin superfamily protein VR4-11 (LOC57123
		3134	AK001676	Hs.12457		1	FLJ10814 fis, clone NT2RP4000984 /cds=(92
69F11 118B8	5781		AB032973	Hs.12461		1	mRNA for KIAA1147 protein, partial cds /cds=(0
193G12	2069		NM_005993		1.00E-169		tubulin-specific chaperone d (TBCD), mRNA /cd
459D11	2828		NM_021151				carnitine octanoyltransferase (COT), mRNA /c
196H4	1	5439	AB046785	Hs.12772		2	mRNA for KIAA1565 protein, partial cds /cds=(0
56G11	458	1088	AL080156	Hs.12813		1	cDNA DKFZp434J214 (from clone DKFZp434J2
476E6	122		NM_006590			1	SnRNP assembly defective 1 homolog (SAD1), mRN
109E7	1	180	AF208855	Hs.12830	3.00E-79	1	BM-013 mRNA, complete cds /cds=(67,459) /gb=A
458A2	1818		AK026747	Hs.12969		1	cDNA: FLJ23094 fis, clone LNG07379, highly sim
466D10	1469		AK001822		9.00E-39	1	cDNA FLJ10960 fis, clone PLACE1000564 /cds=UNK
187A11	186	6 2555	NM_003330) Hs.13046	0	2	thioredoxin reductase 1 (TXNRD1), mRNA /cds=(
60D9	175		X91247	Hs.13046	0	3	thioredoxin reductase /cds=(439,1932)
75D7	207		AF055581	Hs.13131	0	1	adaptor protein Lnk mRNA, complete cds /cds=(3
196C2	190		AK026239	Hs.13179		2	cDNA: FLJ22586 fis, clone HSI02774 /cds=UNKNOW
40000	11	380	AL570416	Hs 13256	1.00E-161	1	AL570416 cDNA /clone=CS0DI020YK05-(3-prime)
480G6			AB020663	Hs.13264		1	mRNA for KIAA0856 protein, partial cds /cds=(0
196H3	281	4 JJ02	VD070002	113.13204		•	

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				пурп	JIZALIOII	ununy	
460H3	127	431	BF029796	Hs.13268	1.00E-151	1	601556721F1 cDNA, 5' end /clone=IMAGE:3826637
470D2	1 1 0 7	1635	AB011164	Hs.13273	1 00E-69	1	for KIAA0592 protein, partial cds /cds=(0,
170B2 115E6	1487 2153	2376	AK025707			1	cDNA: FLJ22054 fis, clone HEP09634 /cds=(144,9
110F10	119	648	BE537908	Hs.13328		1	601067373F1 cDNA, 5' end /clone=IMAGE:3453594
36C2	427	4137	AF054284	Hs.13453	0	5	spliceosomal protein SAP 155 mRNA, complete cd
594C3	5	4229	NM_012433	Hs.13453	0	10	splicing factor 3b, subunit 1, 155kD (SF3B1), m
110C6	4	1853	AF131753	Hs.13472	0	5	clone 24859 mRNA sequence /cds=UNKNOWN /gb=AF
173B6	1156	1672	NM_013236	Hs.13493	0	1	like mouse brain protein E46 (E46L), mRNA /cds=
462C4	794	1093	BC001909		1.00E-115	1	clone IMAGE:3537447, mRNA, partial cds /cds=
597H11	412	936	NM_014174	Hs.13645	0	1	HSPC144 protein (HSPC144), mRNA /cds=(446,112
107F8	429	821	AK025767	Hs.13755	0	1	FLJ22114 fis, clone HEP18441 /cds=UNKNOW
102D12	3153		AF000993		0	2	ubiquitous TPR motif, X isoform (UTX) mRNA, alt
515G12		2120	AK025425	Hs.14040	0	2	cDNA: FLJ21772 fis, clone COLF7808 /cds=UNKNOW
480H5	1945	2259	AK024228	Hs.14070	1.00E-119	1	cDNA FLJ14166 fis, clone NT2RP1000796 /cds=(20
61D1	73	499	NM_014245	Hs.14084	0	1	ring finger protein 7 (RNF7), mRNA /cds=(53,394
122E4	2162		NM_014454			1	p53 regulated PA26 nuclear protein (PA26), mRN
123D9	22	722	NM_001161			1	nudix (nucleoside diphosphate linked moiety
460F11	1084		NM_017827			1	hypothetical protein FLJ20450 (FLJ20450), mR
458D2	127	536	NM_018648		0	1	nucleolar protein family A, member 3 (H/ACA sm
167G1	30	198	AK022939	Hs.14347	3.00E-91	1	cDNA FLJ12877 fis, clone NT2RP2003825 /cds=(3
117H10	975	1721	NM_003022	Hs.14368	0	1	SH3 domain binding glutamic acid-rich protein
591B12	1082	1801	NM_001614	Hs.14376	0	9	actin, gamma 1 (ACTG1), mRNA /cds=(74,1201) /g
179H3	1160	1791	X04098	Hs.14376	1.00E-178	5	cytoskeletal gamma-actin /cds=(73,1200) /g
116D9	5818	6073	NM_012199	Hs.14520	5.00E-84	1	eukaryotic translation initiation factor 2C,
64D11	1901	2506	NM_003592	Hs.14541	0	1	cullin 1 (CUL1), mRNA /cds=(124,2382) /gb=NM_0
516F4	750	1331	AK025166	Hs.14555	0	1	cDNA: FLJ21513 fis, clone COL05778 /cds=UNKNOW
459G5	1	260	AK025269	Hs.14562	5.00E-88	1	cDNA: FLJ21616 fis, clone COL07477 /cds=(119,1
521B7	7	1825	NM_005335	Hs.14601	0	8	hematopoietic cell-specific Lyn substrate 1
110D7	7	1295	X16663	Hs.14601	0	3	HS1 gene for heamatopoietic lineage cell specific pro
114D11	1460	1559	NM_003584	Hs.14611	1.00E-45	1	dual specificity phosphatase 11 (RNA/RNP comp
589A3	1665	5 2197	NM_016293	Hs.14770	0	2	bridging integrator 2 (BIN2), mRNA /cds=(38,17
104C8		3 2380	AB031050	Hs.14805	1.00E-135	2	for organic anion transporter OATP-D, com
481D10	2466	3 2694	NM_013272	Hs.14805	1.00E-68	1	solute carrier family 21 (organic anion transp
125B2	2704	1 3183	NM_001455	Hs.14845	0	1	forkhead box O3A (FOXO3A), mRNA /cds=(924,2945
500D7	2174	4 2379	AL050021	Hs.14846	1.00E-100	1	mRNA; cDNA DKFZp564D016 (from clone DKFZp564D0
123B5	1793	3 2195	NM_016598	Hs.14896	0	1	DHHC1 protein (LOC51304), mRNA /cds=(214,1197
499E2	1266	6 1549	AB020644	Hs.14945	1.00E-155	5 3	mRNA for KIAA0837 protein, partial cds /cds=(0
123H6	298	0 3652	NM_007192	2 Hs.14963	3 0	3	chromatin-specific transcription elongation
61G10	264	528	D13627	Hs.15071	1.00E-144	1 1	KIAA0002 gene, complete cds /cds=(28,1674) /
460D10	216	2 4305	NM_014837	7 Hs.15087	7 0	4	KIAA0250 gene product (KIAA0250), mRNA /cds=(
176E12	928	9 9739	NM_022473	3 Hs.15220	0 0	1	zinc finger protein 106 (ZFP106), mRNA /cds=(3
487E11	156			Hs.15243		1	nucleolar protein 1 (120kD) (NOL1), mRNA /cds=
75E11	162		AF127139	Hs.15259		20	Bcl-2-binding protein BIS (BIS) mRNA, complete
71H9	165		NM_00428	1 Hs.15259	9 0	12	BCL2-associated athanogene 3 (BAG3), mRNA /cd

					_		
484G9	465	1006	NM_005826	Hs.15265	0	1	heterogeneous nuclear ribonucleoprotein R (
480H8	2013	2635	AB037828	Hs.15370	0	1	mRNA for KIAA1407 protein, partial cds /cds=(0
587G9	2436	2769	AK024088	Hs.15423	1.00E-167	1	cDNA FLJ14026 fis, clone HEMBA1003679, weakly
							•
483D6	5239	5810	NM_004774	Hs.15589	O	1	PPAR binding protein (PPARBP), mRNA /cds=(235,
			_				
514A7	673	942	NM_006833	Hs.15591	1.00E-151	1	COP9 subunit 6 (MOV34 homolog, 34 kD) (MOV34-34
125A2	522	746	NM_024348	Hs.15961	1.00E-112	1	dynactin 3 (p22) (DCTN3), transcript variant
591A5	295	704	NM 005005	Hs.15977	0	3	NADH dehydrogenase (ubiquinone) 1 beta subcom
39H12	1641	1993	X74262	Hs 16003	1.00E-180	1	RbAp48 mRNA encoding retinoblastoma binding prot
001112	1011	1000	7(14202	110.70000	7.002 700	•	The tip to the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the trace of the tra
113A9	1328	1891	NIM 046224	Hs.16085	0	1	putative G-protein coupled receptor (SH120),
			NM_016334				
45C2	765	1674	NM_006461	Hs.16244		2	mitotic spindle coiled-coil related protein (
494H10	113	2576	NM_016312	Hs.16420	0	3	Npw38-binding protein NpwBP (LOC51729), mRNA
40D8	52	246	Y13710	Hs.16530	1.00E-107	1	for alternative activated macrophage spe
597E7	244	524	AL523085	Hs.16648	1.00E-147	1	AL523085 cDNA /clone=CS0DC001YF21-(5-prime)
							,
458D11	232	319	AY007106	Hs.16773	1.00E-42	1	clone TCCCIA00427 mRNA sequence
430011	232	319	A1007100	115.10775	1.0012-42	ı	/cds=UNKNOWN
70F2	824	991	AL021786	Hs.17109	2.00E-90	2	DNA sequence from PAC 696H22 on chromosome
							Xq21.1-21.2
167C5	5768	5905	D86964	Hs.17211	3.00E-62	1	mRNA for KIAA0209 gene, partial cds /cds=(0,5530)
							/gb
460H2	3424	3624	AL162070	Hs.17377	1.00E-103	1	mRNA; cDNA DKFZp762H186 (from clone
							DKFZp762H1
70G11	1384	1885	AK023680	Hs.17448	0	2	FLJ13618 fis, clone PLACE1010925 /cds=UNK
129C11	2458	3044	U47924	Hs.17483		2	chromosome 12p13 sequence /cds=(194,1570)
129011	2430	3044	047924	ПS. 17403	U	2	
407110	4746				4 005 04		/gb=U4792
467H3	4713	4908	NM_014521	Hs.17667	1.00E-61	1	SH3-domain binding protein 4 (SH3BP4), mRNA /
71A11	100	370	BG035218	Hs.17719	1.00E-142	1	602324727F1 cDNA, 5' end /clone=IMAGE:4412910
598C7	513	902	NM_021622	Hs.17757	1.00E-178	1	pleckstrin homology domain-containing, fami
595A7	3296	5680	AB046774	Hs.17767	0	5	mRNA for KIAA1554 protein, partial cds /cds=(0
58D12	5225	5857	AB007861	Hs.17803	0	1	KIAA0401 mRNA, partial cds /cds=(0,1036) /gb=
524G8	357	809	NM_014350	Hs.17839		1	TNF-induced protein (GG2-1), mRNA /cds=(197,7
521B10	1008	1476	NM_002707	Hs.17883	0	2	protein phosphatase 1G (formerly 2C), magnesiu
69B12	1014	1490	Y13936	Hs.17883	0	1	for protein phosphatase 2C gamma /cds=(24,
178E6	1903	4365	NM_014827	Hs.17969	0	3	KIAA0663 gene product (KIAA0663), mRNA /cds=(
173H3	481	2362	AK001630	Hs.18063	0	4	cDNA FLJ10768 fis, clone NT2RP4000150 /cds≃UN
113A8	1285	1393	NM_005606	Hs.18069	5.00E-48	1	protease, cysteine, 1 (legumain) (PRSC1), mRN
			-				
118H9	3709	3950	AB020677		1.00E-125		mRNA for KIAA0870 protein, partial cds /cds=(0
513H7	2204	2757	NM_005839		1.00E-112	3	Ser/Arg-related nuclear matrix protein (plen
523G9	507	768	AB044661	Hs.18259	1.00E-147	1	XAB1 mRNA for XPA binding protein 1, complete c
105B9	695	1115	AJ010842	Hs.18259	0	1	for putative ATP(GTP)-binding protein, p
589D12	335	715	NM_016565	Hs.18552	0	2	E2IG2 protein (LOC51287), mRNA /cds=(131,421)
170C8	414	737	AF072860		0	2	protein activator of the interferon-induced p
							·
189A12	414	736	NM_003690	Hs.18571		1	protein kinase, interferon-inducible double
134B9	2751	3057	AB046808	Hs.18587	1.00E-165	1	mRNA for KIAA1588 protein, partial cds /cds=(2
519G5	1291	1581	NM_012332	Hs.18625	1.00E-157	2	Mitochondrial Acyl-CoA Thioesterase (MT-ACT4
526H2	827	1205	NM_004208	Hs.18720	0	1	programmed cell death 8 (apoptosis-inducing f
462F12	409	556	NM_017899	Hs.18791	2.00E-78	1	hypothetical protein FLJ20607 (FLJ20607), mR
138B2	388	995	AF003938				
				Hs.18792		1	thioredoxin-like protein complete cds
36G12	935	1272	AJ250014	Hs.18827	U	2	for Familial Cylindromatosis cyld gene /

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

194D3	924	2123	NM 018253	Hs.18851	0	2	hypothetical protein FLJ10875 (FLJ10875), mR
523E1	3653	4056	NM_012290	Hs.18895	0	1	tousled-like kinase 1 (TLK1), mRNA /cds=(212,2
587 G 5	1	350	NM_016302		1.00E-166	1	protein x 0001 (LOC51185), mRNA /cds=(33,1043)
595C10	161	1281	AC006042	Hs.18987		4	BAC clone RP11-505D17 from 7p22-p21 /cds=(0,12
125G10	54	752	NM_002492	Hs.19236	0	3	NADH dehydrogenase (ubiquinone) 1 beta subcom
478G7	1	193	NM_021603	Hs.19520	9.00E-51	1	FXYD domain-containing ion transport regulat
595F11	3623	3736	AB051481	Hs.19597	3.00E-49	1	mRNA for KIAA1694 protein, partial cds /cds=(0
177C6	284	671	AF161339	Hs.19807	0	2	HSPC076 mRNA, partial cds /cds=(0,301) /gb=AF
37E12	3485	3919	AB018298	Hs.19822	0	1	for KIAA0755 protein, complete cds /cds=(
64G8	962	1311	NM_001902	Hs.19904	0	1	cystathionase (cystathionine gamma-lyase) (
499D5	2829	3183	AB011169	Hs.20141	0	1	mRNA for KIAA0597 protein, partial cds /cds=(0,
40D11	62	684	NM_004166	Hs.20144	0	1	small inducible cytokine subfamily A (Cys-Cys
66C10	1240	2240	U76248	Hs.20191	0	12	hSIAH2 mRNA, complete cds /cds=(526,1500) /gb=U76248
586B12	1686	4288	AB040922	Hs.20237	0	2	mRNA for KIAA1489 protein, partial cds /cds=(1
173G8	2578	3197	AL096776	Hs.20252	0	1	DNA sequence from clone RP4-646B12 on chromosome 1q42
98C6	3303	4699	AB051487	Hs.20281	0	6	mRNA for KIAA1700 protein, partial cds /cds=(1
107H11	781	1380	AK022103	Hs.20281	0	1	FLJ12041 fis, clone HEMBB1001945 /cds=UNK
121B8	778	1264	NM_001548	Hs.20315	0	1	interferon-induced protein with tetratricope
110C4	1050	1431	AF244137	Hs.20597	0	1	hepatocellular carcinoma-associated antigen
99H6	899	1412	NM_014315	Hs.20597	0	2	host cell factor homolog (LCP), mRNA /cds=(316,
152B12	69	424	AK025446	Hs.20760	0	1	FLJ21793 fis, clone HEP00466 /cds=UNKNOW
459A8	1858	2143	AL021366	Hs.20830	1.00E-155	1	DNA sequence from cosmid ICK0721Q on chromosome
587A11	720	1080	AL137576	Hs.21015	0	1	mRNA; cDNA DKFZp564L0864 (from clone DKFZp564L
191E12	1688	2235	AK025019	Hs.21056	0	2	cDNA: FLJ21366 fis, clone COL03012, highly sim
52G3	225	1652	NM_005880	Hs.21189	0	6	HIRA interacting protein 4 (dnaJ-like) (HIRIP
181B7	3176	3316	AB018325	Hs.21264	3.00E-72	1	mRNA for KIAA0782 protein, partial cds /cds=(0
45E11	1378	1518	NM_003115	Hs.21293	1.00E-72	1	UDP-N-acteylglucosamine pyrophosphorylase
109G1	2989	3487	AB032948	Hs.21356	0	1	for KIAA1122 protein, partial cds /cds=(0
116D4	5522	5741	NM_016936	Hs.21479	1.00E-107	1	ubinuclein 1 (UBN1), mRNA /cds=(114,3518) /gb
37G10	294	3960	M97935	Hs.21486	0	4	transcription factor ISGF-3 mRNA, complete cd
599E8	329	3568	NM_007315	Hs.21486	0	6	signal transducer and activator of transcripti
592D10	2223	3204	NM_002709	Hs.21537	0	3	protein phosphatase 1, catalytic subunit, bet
68A7	1327	1612	AB028958	Hs.21542	1.00E-161	1	for KIAA1035 protein, partial cds /cds=(0
72B3	2519	2862	L03426	Hs.21595	1.00E-179	1	XE7 mRNA, complete alternate coding regions /cds=(166
592E6	2520	2854	NM_005088	Hs.21595	1.00E-161	1	DNA segment on chromosome X and (unique) 155 ex
589G6	190	522	AL573787	Hs.21732	1.00E-141	1	AL573787 cDNA /clone=CS0DI055YM17-(3-prime)
593H1	452	899	NM_005875	Hs.21756	0	2	translation factor sui1 homolog (GC20), mRNA
59B8	2893	3273	NM_012406	Hs.21807	0	1	PR domain containing 4 (PRDM4), mRNA /cds=(122,
196A9	12	543	AL562895	Hs.21812	0	1	AL562895 cDNA /clone=CS0DC021YO20-(3-prime)
67D8	62	631	AW512498	Hs.21879	1.00E-150	3	xx75e03.x1 cDNA, 3' end /clone=IMAGE:2849500
477B6	1969	2520	D84454	Hs.21899	0	1	mRNA for UDP-galactose translocator, complete cds /c
515D1	2232	2647	NM_007067	Hs.21907	0	2	histone acetyltransferase (HBOA), mRNA /cds=
100F8	1082	1508	AK022554	Hs.21938	0	1	FLJ12492 fis, clone NT2RM2001632, weakly
470E4	1135	1244	NM_020239	Hs.22065	4.00E-45	2	small protein effector 1 of Cdc42 (SPEC1), mRNA
68G4	1391	2013	AK022057	Hs.22265	0	2	FLJ11995 fis, clone HEMBB1001443, highly
193H6	922	1328	NM_022494	Hs.22353	1.00E-178	1	hypothetical protein FLJ21952 (FLJ21952), mR

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

						_	DVE7-5040
151D2	1492	1694	AL049951	Hs.22370		1	cDNA DKFZp564O0122 (from clone DKFZp564O
497E8	1581	4794	D83781	Hs.22559	0	3	mRNA for KIAA0197 gene, partial cds /cds=(0,3945) /gb
182D10	999	1830	AL117513	Hs.22583	0	5	mRNA; cDNA DKFZp434K2235 (from clone DKFZp434K
75B5	1775	2380	AF006513	Hs.22670	0	1	CHD1 mRNA, complete cds /cds=(163,5292) /gb=A
126H8	1776	2377	NM_001270	Hs.22670	0	1	chromodomain helicase DNA binding protein 1 (
73D5	1599	1696	AK025485	Hs.22678	2.00E-42	1	FLJ21832 fis, clone HEP01571 /cds=(32,15
481D11	128	562	BF968270	Hs.22790	1.00E-172	1	602269653F1 cDNA, 5' end /clone=IMAGE:4357740
74E4	724	1195	NM_012124	Hs.22857	0	1	chord domain-containing protein 1 (CHP1), mRN
459C6	813	1472	NM 012244	Hs.22891	0	1	solute carrier family 7 (cationic amino acid t
462G7	2972	3144	AB037784	Hs.22941	2.00E-93	1	mRNA for KIAA1363 protein, partial cds /cds=(0
70F12	37	846	AB020623	Hs.22960		3	DAM1 mRNA, complete cds /cds=(48,725) /gb=AB0
							0 (00400)
585H10	91	748	NM_005872	Hs.22960	0	1	breast carcinoma amplified sequence 2 (BCAS2)
142C8	1359	1597	AK024023	Hs.23170	1.00E-103	1	FLJ13961 fis, clone Y79AA1001236, highly
164F2	1220	1474	NM_012280	Hs.23170	1.00E-135	1	homolog of yeast SPB1 (JM23), mRNA /cds=(300,12
127F11	682	806	AL046016	Hs.23247	2.00E-58	1	DKFZp434P246_r1 cDNA, 5' end /clone=DKFZp434P
98G7	760	1368	NM_022496	Hs.23259	0	1	hypothetical protein FLJ13433 (FLJ13433), mR
470C9	2	538	AL574514	Hs.23294		2	AL574514 cDNA /clone=CS0DI056YA07-(3-prime)
47009 458F12	4293	4917	AB002365	Hs.23311		1	mRNA for KIAA0367 gene, partial cds /cds=(0,2150)
					0.005.54	4	/gb
57D8	460	566	BF439063	Hs.23349	3.00E-54	1	nab70e03.x1 cDNA /clone=IMAGE /gb=BF439063 /
599G12	352	983	NM_014814	Hs.23488	0	2	KIAA0107 gene product (KIAA0107), mRNA /cds=(
112B3	2400	2715	NM_014887	Hs.23518	1.00E-172	1	hypothetical protein from BCRA2 region (CG005
167C10	1771	2107	NM_004380	Hs.23598	1.00E-175	1	CREB binding protein (Rubinstein-Taybi syndr
196G9	114	307	BF970427	Hs.23703	1.00E-101	1	602272760F1 cDNA, 5' end /clone=IMAGE:4360767
184B3	2488	2882	AK026983	Hs.23803	0	1	FLJ23330 fis, clone HEP12654 /cds=(69,13
480H4	4871	5467	AB023227	Hs.23860	0	1	mRNA for KIAA1010 protein, partial cds /cds=(0
479C12	4	190	NM 005556	Hs.23881	4.00E-91	1	keratin 7 (KRT7), mRNA /cds=(56,1465) /gb=NM_
36E7	742	1126	AL360135	Hs.23964		1	full length insert cDNA clone EUROIMAGE 12
598B5	544	1271	NM_005870	Hs.23964		12	sin3-associated polypeptide, 18kD (SAP18), m
462D8	1205	1653	NM_004790	Hs.23965		1	solute carrier family 22 (organic anion transp
479A5	1817		NM_002967	Hs.23978	_	1	scaffold attachment factor B (SAFB), mRNA /cds
			NM_014950			1	KIAA0997 protein (KIAA0997), mRNA /cds=(262,2
188E2	1762		AK024240	Hs.24115		2	FLJ14178 fis, clone NT2RP2003339 /cds=UNK
67D2	1304			Hs.24115		1	putative zinc finger protein mRNA, complete cd
177D8	4674		AF251039				putative zinc finger protein (LOC51780), mRNA
190E1	5222		NM_016604			1	Wiskott-Aldrich syndrome protein interacting
192A5	1517		NM_003387				•
170A4	1666		X86019		4.00E-23	1	PRPL-2 protein /cds=(204,1688) /gb=X860
480B6	1517		NM_012155		1.00E-133		microtubule-associated protein like echinode
143H11	177	656	BE877357	Hs.24181	0	2	601485590F1 cDNA, 5' end /clone=IMAGE:3887951
473D10	146	491	AW960486	Hs.24252	0	1	EST372557 cDNA /gb=AW960486 /gi=8150170 /ug=
98H1	23	562	NM_003945	Hs.24322	0	1	ATPase, H+ transporting, lysosomal (vacuolar
169G2	391	638	BE612847	Hs.24349	4.00E-75	2	601452239F1 5' end /clone=IMAGE:3856304
479B12	1132		AY007126	Hs.24435	0	1	clone CDABP0028 mRNA sequence /cds=UNKNOWN /g
480H9	4716	5012	NM_006048	Hs.24594	1.00E-145	1	ubiquitination factor E4B (homologous to yeas

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Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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110B10	520	1171	AL163206	Hs.24633	0	1	chromosome 21 segment HS21C006 /cds=(82,1203)
99A3	519	1000	NM_022136	Hs.24633	0	2	SAM domain, SH3 domain and nuclear localisation
109G7	2024	2350	AB037797	Hs.24684			for KIAA1376 protein, partial cds /cds=(1
61B7	485	1656	AK024029	Hs 24719	0	4	FLJ13967 fis, clone Y79AA1001402, weakly
166C11	1216	1509	AF006516	Hs.24752	1.00E-165		eps8 binding protein e3B1 mRNA, complete cds /
464D12	166	764	NM_002882			1	RAN binding protein 1 (RANBP1), mRNA /cds=(149
98C12	6523	8023	AB051512	Hs.25127	0	3	mRNA for KIAA1725 protein, partial cds /cds=(0
63F7	2164	2802	AL133611	Hs.25362	0	1	cDNA DKFZp434O1317 (from clone DKFZp434O
41D11	45	463	X53795	Hs.25409	0	1	R2 mRNA for an inducible membrane protein /cds=(156,95
62G6	1452	1827	V01512	Hs.25647	0,	3	cellular oncogene c-fos (complete sequence) /cds=(15
593D12	1135	2111	NM_015832	Hs.25674	0	8	methyl-CpG binding domain protein 2 (MBD2), tr
172G9	2014	2371	NM_021211	Hs.25726	0	1	transposon-derived Buster1 transposase-like
106D6	432	1878	AF058696	Hs.25812	0	2	cell cycle regulatory protein p95 (NBS1) mRNA,
98A4	533	3758	NM_002485		0	2	Nijmegen breakage syndrome 1 (nibrin) (NBS1),
477H5	6320		NM_004638		1.00E-111	3	HLA-B associated transcript-2 (D6S51E), mRNA
71F11	2070		NM_019555	Hs.25951	0	3	Rho guanine nucleotide exchange factor (GEF)
164B9	2163		AK023999	Hs.26039	1.00E-159	1	cDNA FLJ13937 fis, clone Y79AA1000805 /cds=UNK
100A3	2043		M34668	Hs.26045	0	1	protein tyrosine phosphatase (PTPase-alpha) mRNA /c
123A5	2046	2638	NM_002836	Hs.26045	0	1	protein tyrosine phosphatase, receptor type,
466E5	7817		NM_014112	Hs.26102	0	2	trichorhinophalangeal syndrome I gene (TRPS1)
588A1	361	857	AF070582	Hs.26118	0	1	clone 24766 mRNA sequence /cds=UNKNOWN /gb=AF
526H12	176	1809	NM_018384	Hs.26194	0	5	hypothetical protein FLJ11296 (FLJ11296), mR
149G7	96	1123	AK027016	Hs.26198	_	3	FLJ23363 fis, clone HEP15507 /cds=(206,1
122A4	1196		AL050166	Hs.26295	3.00E-72	1	mRNA; cDNA DKFZp586D1122 (from clone DKFZp586D
122D5	1936	2435	AB029006	Hs.26334	0	1	mRNA for KIAA1083 protein, complete cds /cds=(
137G5	137	452	AK025778	Hs.26367	1.00E-145	1	FLJ22125 fis, clone HEP19410 /cds=(119,5
595D2	1	372	NM_022488	Hs.26367	3.00E-89	3	PC3-96 protein (PC3-96), mRNA /cds=(119,586)
64D12	1024		NM_017746	Hs.26369		1	hypothetical protein FLJ20287 (FLJ20287), mR
39E4	2132		AK000367	Hs.26434	0	1	FLJ20360 fis, clone HEP16677 /cds=(79,230
473C10	4318	4623	AF051782		1.00E-154	1	diaphanous 1 (HDIA1) mRNA, complete cds /cds=(
590C4	1740		AL050205	Hs.26613		1	mRNA; cDNA DKFZp586F1323 (from clone DKFZp586F
523F3	454	792	AC002073		1.00E-164		PAC clone RP3-515N1 from 22q11.2-q22 /cds=(0,791) /g
587E11	1226	1876	NM_004779	Hs.26703	0	2	CCR4-NOT transcription complex, subunit 8 (C
110G4	191	685	BE868389		0	1	601444360F1 cDNA, 5' end /clone=IMAGE:3848487
110E11	1001	3955	AL117448	Hs.26797	0	2	cDNA DKFZp586B1417 (from clone DKFZp586B
152A8	12	112	Al760224	Hs.26873	2.00E-48	1	wh62g06.x1 cDNA, 3' end /clone=IMAGE:2385370
467G11	528	858	NM_016106	Hs.27023	1.00E-174	1	vesicle transport-related protein (KIAA0917)
465E11	634	1065	AL136656	Hs.27181	3.00E-83	1	mRNA; cDNA DKFZp564C1664 (from clone DKFZp564C
58E11	1	551	AJ238243	Hs.27182	0	1	mRNA for phospholipase A2 activating protein
590H2	398	1016	NM_014412	Hs.27258	0	1	calcyclin binding protein (CACYBP), mRNA /cds
179E9	1039	1905	AK025586	Hs.27268	0	4	FLJ21933 fis, clone HEP04337 /cds=UNKNOW
459D7	1293	1936	AL050061	Hs.27371	0	1	mRNA; cDNA DKFZp566J123 (from clone DKFZp566J1
54A11	709	1542	AK022811	Hs.27475		1	FLJ12749 fis, clone NT2RP2001149 /cds=UNK
111A5	42	686		Hs.27556		1	hypothetical protein FLJ22405 (FLJ22405), mR
123D4	879	1005	NM_016059	Hs.27693	3.00E-49	1	peptidylprolyl isomerase (cyclophilin)-like

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

518E11	1245	2235	AF332469	Hs.27721	0	5	putative protein WHSC1L1 (WHSC1L1) mRNA, comp
103B11	631	1343	NM_014805	Hs.28020	0	1	KIAA0766 gene product (KIAA0766), mRNA /cds=(
479H3	4	100	AB007928	Hs.28169	7.00E-37	1	mRNA for KIAA0459 protein, partial cds /cds=(0
526B3	1901	1995	NM 007218			1	patched related protein translocated in renal
480E4	4088	4596	AB046766	Hs.28338		1	mRNA for KIAA1546 protein, partial cds /cds=(0
164D10	651	970	NM_002970	Hs.28491	1.00E-163		spermidine/spermine N1-acetyltransferase (
69E10	729	1588	AB007888	Hs.28578		2	- ,
49B1	632	4266	NM 021038	Hs.28578	-	4	KIAA0428 mRNA, complete cds /cds=(1414,2526)
173A10	2105	2391	AL034548	Hs.28608	-		muscleblind (Drosophila)-like (MBNL), mRNA /
							DNA sequence from clone RP5-1103G7 on chromosome 20p1
156H8	467	585	AV691642	Hs.28739	8.00E-43	1	AV691642 5' end /clone=GKCDJG11 /clone_
588D3	444	909	NM_004800	Hs.28757	1.00E-123	1	transmembrane 9 superfamily member 2 (TM9SF2)
493B12	500	930	NM_003512	Hs.28777	0	1	H2A histone family, member L (H2AFL), mRNA /cd
115C5	63	661	BF341640	Hs.28788	0	1	602016073F1 cDNA, 5' end /clone=IMAGE:4151706
524C10 39A8	37 1380	412 1873	NM_007217		1.00E-179	1	programmed cell death 10 (PDCD10), mRNA /cds=(
			AK000196	Hs.29052		1	FLJ20189 fis, clone COLF0657 /cds=(122,84
477H7 134C8	690	1047	NM_005859	Hs.29117	1.00E-163		purine-rich element binding protein A (PURA),
	2462	2789	NM_002894	Hs.29287	1.00E-173	1	retinoblastoma-binding protein 8 (RBBP8), mR
108A11	182	992	M31165	Hs.29352	0	9	tumor necrosis factor-inducible (TSG-6) mRNA fragme
99E8	179	992	NM_007115	Hs.29352	0	7	tumor necrosis factor, alpha-induced protein
169B3	2219	2683	AF039942	Hs.29417	0	1	HCF-binding transcription factor Zhangfei (Z
526A7	2219	2670	NM_021212	Hs.29417	0	1	HCF-binding transcription factor Zhangfei (Z
184H12	2380	4852	AB033042	Hs.29679	0	2	KIAA1216 protein, partial cds /cds=(0
125G9	1169	1814	AB037791	Hs.29716	0	1	mRNA for KIAA1370 protein, partial cds /cds=(4
68F3	1011	1892	AK027197	Hs.29797	0	5	FLJ23544 fis, clone LNG08336 /cds=(125,5
72H12	2103	2564	L27071	Hs.29877	0	2	tyrosine kinase (TXK) mRNA, complete cds /cds=(86,166
588D5	793	1321	NM_003328	Hs.29877	0	1	TXK tyrosine kinase (TXK), mRNA /cds=(86,1669)
127C3	1	1424	AK024961	Hs.29977	0	4	cDNA: FLJ21308 fis, clone COL02131 /cds=(287,1
128H7	351	977	NM_014188	Hs.30026	0	1	HSPC182 protein (HSPC182), mRNA /cds=(65,649)
521G4	502	1260	NM_004593	Hs.30035	0	4	splicing factor, arginine/serine-rich (trans
47A2	503	1265	U61267	Hs.30035	0	4	putative splice factor transformer2-beta mRN
37G9	1287	1763	M16967	Hs.30054	0	2	coagulation factor V mRNA, complete cds /cds=(90,6764
459E1	43	536	NM_015919	Hs.30303	0	1	Kruppel-associated box protein (LOC51595), m
465F6	256	573	NM_005710	Hs.30570	7.00E-75	1	polyglutamine binding protein 1 (PQBP1), mRNA
120H1	5305	5634	NM_012296	Hs.30687	1.00E-172	2	GRB2-associated binding protein 2 (GAB2), mRN
189G2	1	147	BG260954	Hs.30724	2.00E-68	1	602372562F1 cDNA, 5' end /clone=IMAGE:4480647
482E6	3086	3254	AK023743		4.00E-91	1	cDNA FLJ13681 fis, clone PLACE2000014, weakly
179H5	20	1232	AK001972		0	2	FLJ11110 fis, clone PLACE1005921, weakly
598B6	1	1169	NM_018326	Hs.30822	0	19	hypothetical protein FLJ11110 (FLJ11110), mR
126G10	1309	2463	AK000689	Hs.30882	0	18	cDNA FLJ20682 fis, clone KAIA3543, highly simi
126G7	5221	5904	NM_019081	Hs.30909	1.00E-163	2	KIAA0430 gene product (KIAA0430), mRNA /cds=(
483D1	1481	2098	NM_003098	Hs.31121	0	1	syntrophin, alpha 1(dystrophin-associated p
464C9	1188	1755	NM_003273	Hs.31130		1	transmembrane 7 superfamily member 2 (TM7SF2),
478A6	3024	3837	NM_012238	Hs.31176	1.00E-176	2	sir2-like 1 (SIRT1), mRNA /cds=(53,2296) /gb=
122E5	1060	1294	NM_002893		1.00E-170		retinoblastoma-binding protein 7 (RBBP7), mR
117B1	2056	2489	AF153419		0	1	IkappaBkinase complex-associated protein (I
462E10	337	569	AV752358		1.00E-108		AV752358 cDNA, 5' end /clone=NPDBHG03 /clone_
							The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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126E7	1962	2748	AB014548	Hs.31921	0	2	mRNA for KIAA0648 protein, partial cds /cds=(0
186G11	729	954	BC000152	Hs.31989	1.00E-125	1	Similar to DKFZP586G1722 protein, clone MGC:
67H7	1705	2336	AJ400877	Hs.32017	0	2	ASCL3 gene, CEGP1 gene, C11orf14 gene, C11orf1
400044	475	074	A1/000 455	11. 00440	•		F1 100000 5
102B11	175	874	AK026455	Hs.32148	-	1	FLJ22802 fis, clone KAIA2682, highly sim
458D4	46	449	H14103	Hs.32149	1.00E-167	1	ym62a02.r1 cDNA, 5' end /clone=IMAGE:163466 /
99A2	3991	4532	AB007902	Hs.32168		1	KIAA0442 mRNA, partial cds /cds=(0,3519) /gb=
458G5	27	540	N30152	Hs.32250		1	yx81f03.s1 cDNA, 3' end /clone=IMAGE:268157 /
112D11	4399	5040	NM_005922	Hs.32353	0	1	mitogen-activated protein kinase kinase kina
48C8	3278	3988	AB002377	Hs.32556	0	2	mRNA for KIAA0379 protein, partial cds /cds=(0,
515 F 9	761	989	NM_003193	Hs.32675	1.00E-116	1	tubulin-specific chaperone e (TBCE), mRNA /c
158C12	342	809	NM_016063	Hs.32826	0	1	CGI-130 protein (LOC51020), /cds=(63,575
585E6	128	512	NM_005594	Hs.32916	0	3	nascent-polypeptide-associated complex alp
459B5	1271	1972	NM_017632	Hs.32922	0	1	hypothetical protein FLJ20036 (FLJ20036), mR
469G12	2711	2978	NM_001566	Hs.32944	1.00E-136	1	inositol polyphosphate-4-phosphatase, type
71 B 7	483	1787	NM_003037	Hs.32970	0	29	signaling lymphocytic activation molecule (S
74G1	1	1780	U33017	Hs.32970	0	33	signaling lymphocytic activation molecule (SLAM) mR
470544		2224					
473B11	2993	3361	NM_006784	Hs.33085	1.00E-111	1	WD repeat domain 3 (WDR3), mRNA /cds=(47,2878)
56B5	23	578	AB019571	Hs.33190	0	1	expressed only in placental villi, clone
469D12	187	394	AL359654		1.00E-110	1	mRNA full length insert cDNA clone EUROIMAGE 19
98H8	371	618	AI114652	Hs.33757	3.00E-98	1	HA1247 cDNA /gb=Al114652 /gi=6359997 /ug=Hs.
594E7	2134	2320	NM_012123	Hs.33979	5.00E-93	1	CGI-02 protein (CGI-02), mRNA /cds=(268,2124)
110D1	1158	1349	NM_018579	Hs.34401	1.00E-105	1	hypothetical protein PRO1278 (PRO1278), mRNA
596A6	1950	2144	NM_022766	Hs.34516	1.00E-102	2	hypothetical protein FLJ23239 (FLJ23239), mR
37B10	237	563	AI123826	Hs.34549	1.00E-145	1	ow61c10.x1 cDNA, 3' end /clone=IMAGE:1651314
458H4	3656	4415	AB040929	Hs.35089	0	1	mRNA for KIAA1496 protein, partial cds /cds=(0
100D1	3563	3777	D25215	Hs.35804	1.00E-105	1	KIAA0032 gene, complete cds /cds=(166,3318)
519A12	402	623	AW960004	Hs.36475	3.00E-48	1	EST372075 cDNA /gb=AW960004 /gi=8149688 /ug=
498H2	11143	11490	NM_000081	Hs.36508	0	1	Chediak-Higashi syndrome 1 (CHS1), mRNA /cds=(
521D6	304	791	NM_002712	Hs.36587	n	2	protein phosphatase 1, regulatory subunit 7 (
460E1	1200	1542	AF319476	Hs.36752		2	GKAP42 (FKSG21) mRNA, complete cds /cds=(174,1
.002.	.200	1012	711 010-770	113.00102		2	51011 42 (110021) mitigat, complete cus 7005-(174,1
184G9	498	1191	AF082569	Hs.36794	0	2	D-type cyclin-interacting protein 1 (DIP1) mR
462D3	493	1517	NM_012142	Hs.36794	0	3	D-type cyclin-interacting protein 1 (DIP1), m
74E12	659	3054	D86956	Hs.36927	0	23	KIAA0201 gene, complete cds /cds=(347,2923)
58G5	1268	2888	NM_006644	Hs.36927	0	12	heat shock 105kD (HSP105B), mRNA /cds=(313,275
52C10	1479	2588	AK022546	Hs.37747		2	FLJ12484 fis, clone NT2RM1001102, weakly
479F9	2066	2322	AL136932	Hs.37892	1.00E-119	1	mRNA; cDNA DKFZp586H1322 (from clone
483C2	2222	2723	NM_003173	Hs.37936	0	1	DKFZp586H suppressor of variegation 3-9 (Drosophila) ho
593G6	673	1213	NM_004510	Hs.38125		1	
101G12	118	436	N39230		1.00E-173	1	interferon-induced protein 75, 52kD (IFI75),
107E5	238	525	AW188135				yy50c03.s1 cDNA, 3' end /clone=IMAGE:276964 /
596F2	9	504				1	xj92g04.x1 cDNA, 3' end /clone=IMAGE:2664726
469D7	9 47	474	BF892532	Hs.38664		9	ILO-MT0152-061100-501-e04 cDNA /gb=BF892532
			NM_014343			1	claudin 15 (CLDN15), mRNA /cds=(254,940) /gb=
166H8	1	81	BF103848	Hs.39457	9.00E-34	1	601647352F1 cDNA, 5' end /clone=IMAGE:3931452
465F3	157	296	NM_017859	Hs.39850	2.00E-47	1	hypothetical protein FLJ20517 (FLJ20517), mR
195C12	2684	2944	NM_000885	Hs.40034	1.00E-146	1	integrin, alpha 4 (antigen CD49D, alpha 4 subu
151F11	1393	1661	AL031427	Hs.40094		1	DNA sequence from clone 167A19 on chromosome
							1p32.1-33

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

						y	
134C12	4532	4802	NM_004973	Hs.40154	1.00E-114	1	jumonji (mouse) homolog (JMJ), mRNA /cds=(244,
115C9	5279	5614	AB033085	Hs.40193	1.00E-157	1	mRNA for KIAA1259 protein, partial cds /cds=(1
119A8	862	2087	NM_006152	Hs.40202	0	3	lymphoid-restricted membrane protein (LRMP),
104D4	924	1398	U10485	Hs.40202	0	2	lymphoid-restricted membrane protein (Jaw1) mRNA, c
155G3	226	530	AF047472	Hs.40323	1.00E-114	1	spleen mitotic checkpoint BUB3 (BUB3) mRNA, c
521C2	233	710	NM_004725	Hs.40323	0	1	BUB3 (budding uninhibited by benzimidazoles 3
107B8	187	545	Al927454	Hs.40328	0	1	wo90a02.x1 cDNA, 3' end /clone=IMAGE:2462570
458F10	1	436	BE782824	Hs.40334	0	1	601472323F1 cDNA, 5' end /clone=IMAGE:3875501
463G6	16	496	A1266255	Hs.40411	0	1	qx69f01.x1 cDNA, 3' end /clone=IMAGE:2006617
162F1	2711	2895	D87468	Hs.40888	4.00E-96	1	KIAA0278 gene, partial cds /cds=(0,1383) /gb
463E1	70	272	AL137067	Hs.40919	1.00E-109	1	DNA sequence from clone RP11-13B9 on chromosome 9q22.
458E7	107	774	AK024474	Hs.41045	0	1	mRNA for FLJ00067 protein, partial cds /cds=(1
185G12	1051	2315	AL050141	Hs.41569	1.00E-140	11	mRNA; cDNA DKFZp586O031 (from clone DKFZp586O0
593F5	2106	2490	NM_006190	Hs.41694	0	1	origin recognition complex, subunit 2 (yeast h
513H4	739	1249	NM_002190	Hs.41724	0	6	interleukin 17 (cytotoxic T-lymphocyte-assoc
155 F 4	739	1247	U32659	Hs.41724	0	1	IL-17 mRNA, complete cds /cds=(53,520) /gb=U32659 /g
108H12	892	1227	L40377	Hs.41726	1.00E-170	1	cytoplasmic antiproteinase 2 (CAP2) mRNA, com
477 E 7	249	404	BG033294	Hs.41989	6.00E-75	1	602298548F1 cDNA, 5' end /clone=IMAGE:4393186
143E2	5775	6018	AB033112	Hs.42179	1.00E-136	2	for KIAA1286 protein, partial cds /cds=(1
586B10	720	1225	NM_001952	Hs.42287	0	1	E2F transcription factor 6 (E2F6), mRNA /cds=(
583A10	346	883	NM_012097	Hs.42500	0	1	ADP-ribosylation factor-like 5 (ARL5), mRNA
459A7	152	251	BC003525	Hs.42712	2.00E-50	1	Similar to Max, clone MGC:10775, mRNA, comple
37B7	43	2687	AF006082	Hs.42915	1.00E-130	2	actin-related protein Arp2 (ARP2) mRNA, compl
120E3	512	2426	NM_005722	Hs.42915	0	3	ARP2 (actin-related protein 2, yeast) homolog
99D1	3298	3761	NM_014939	Hs.42959	0	1	KIAA1012 protein (KIAA1012), mRNA /cds=(57,43
473B2	3025	3425	AK023647	Hs.43047	1.00E-164	1	cDNA FLJ13585 fis, clone PLACE1009150 /cds=UNK
460E6	2988	3184	AB033093	Hs.43141	1.00E-105	1	mRNA for KIAA1267 protein, partial cds /cds=(9
471F7	232	575	AW993524	Hs.43148	0	1	RC3-BN0034-120200-011-h06 cDNA /gb=AW993524
460B10	402	706	BE781009	Hs.43273	1.00E-78	1	601469768F1 cDNA, 5' end /clone=IMAGE:3872704
36F6	2815	3403	AK024439	Hs.43616	0	1	for FLJ00029 protein, partial cds /cds=(0
471G3	43	454	NM_006021	Hs.43628	1.00E-165	1	deleted in lymphocytic leukemia, 2 (DLEU2), mR
184H3	1819	2128	D14043	Hs.43910	1.00E-168	2	MGC-24, complete cds /cds=(79,648) /gb=D1404
195F4	511	2370	NM_006016	Hs.43910	0	7	CD164 antigen, sialomucin (CD164), mRNA /cds=
188H9	1573	2277	NM_006346	Hs.43913	0	3	PIBF1 gene product (PIBF1), mRNA /cds=(0,2276)
177H6	1575	2272	Y09631	Hs.43913	0	2	PIBF1 protein, complete /cds=(0,2276) /
481E6	2529	2873	AB032952	Hs.44087	1.00E-159	1	mRNA for KIAA1126 protein, partial cds /cds=(0
112F5	1105	1701	AF197569	Hs.44143	0	1	BAF180 (BAF180) mRNA, complete cds /cds=(96,48
146F5	2620	3147	AL117452	Hs.44155	0	1	DKFZp586G1517 (from clone DKFZp586G
514C5	166	431	NM_018838	Hs.44163	1.00E-149		13kDa differentiation-associated protein (L
71D9	1117		AF263613	Hs.44198		2	membrane-associated calcium-independent ph
68E1	289	527	AA576946		4.00E-83	1	nm82b03.s1 cDNA, 3' end /clone=IMAGE:1074701
53H12	1925	2112	X75042	Hs.44313	4.00E-84	1	rel proto-oncogene mRNA /cds=(177,2036) /gb=X75
595D4	21	402	NM_017867	Hs.44344	0	1	hypothetical protein FLJ20534 (FLJ20534), mR
165B10	250	658	BC000758	Hs.44468	0	1	clone MGC:2698, mRNA, complete cds /cds=(168,
592E9	37	2422	NM_002687	Hs.44499	0	5	pinin, desmosome associated protein (PNN), mR
69F10	14	1152	Y09703	Hs.44499	0	3	MEMA protein /cds=(406,2166) /gb=Y09703

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

							•	
4	58H6	1	352	NM_015697	Hs.44563	0	1	hypothetical protein (CL640), mRNA /cds=(0,39
	82C11	690	1324	AB046861	Hs.44566	0	4	mRNA for KIAA1641 protein, partial cds /cds=(6
	15G3	318	731	BG288837	Hs.44577	0	1	602388170F1 cDNA, 5' end /clone=IMAGE:4517129
7	'0B11	1879	4363	U58334	Hs.44585	0	3	Bcl2, p53 binding protein Bbp/53BP2 (BBP/53BP2) mRNA
1	165F10	265	496	AV726117	Hs.44656	6.00E-66	1	AV726117 cDNA, 5' end /clone=HTCAXB05 /clone_
	36F1	444	1176	AK001332	Hs.44672	0	1	FLJ10470 fis, clone NT2RP2000032, weakly
	596H1	1073	2711	AF288571		0	14	lymphoid enhancer factor-1 (LEF1) mRNA, compl
	11C4	2876	3407	X60708	Hs.44926	0	1	pcHDP7 mRNA for liver dipeptidyl peptidase IV /cds=(75
į	588A7	7564	7849	AL031667	Hs.45207	1.00E-158	1	DNA sequence from clone RP4-620E11 on chromosome 20q1
	183G6	3967	4942	AB020630	Hs.45719	0	5	mRNA for KIAA0823 protein, partial cds /cds=(0
	465C9	700	1325	BC002796	Hs.46446	0	1	lymphoblastic leukemia derived sequence 1,
	464B1	1519	1997	NM_006019	Hs.46465	0	1	T-cell, immune regulator 1 (TCIRG1), mRNA /cds
	466F10	455	518	AW974756	Hs.46476		1	EST386846 cDNA /gb=AW974756 /gi=8165944 /ug=
	110E7	620	1153	AF223469	Hs.46847	0	1	AD022 protein (AD022) mRNA, complete cds /cds=
	112D5	618	1197	NM_016614	Hs.46847	0	4	TRAF and TNF receptor-associated protein (AD0
	172G6	4157	4527	NM_003954	Hs.47007		1	mitogen-activated protein kinase kinase kina
	172G0 177C8	4217	4469	Y10256	Hs.47007		1	serine/threonine protein kinase, NIK /c
	458H9	18	457	AW291458	Hs.47325		1	UI-H-BI2-agh-c-02-0-UI.s1 cDNA, 3' end /clon
	438N9 62B6	562	697	BE872760	Hs.47334		1	601450902F1 cDNA, 5' end /clone=IMAGE:3854544
	0200	302	031	BE072100	113.41 00-1	7.002 0 .	•	,
	178F12	169	2413	AF307339	Hs.47783	0	2	B aggressive lymphoma short isoform (BAL) mRNA
	460G4	598	1081	NM_005985	Hs.48029	0	1	snail 1 (drosophila homolog), zinc finger prot
	70D12	1	2038	AK027070	Hs.48320	0	13	FLJ23417 fis, clone HEP20868 /cds=(59,12
	41G5	6587	7128	NM_014345	Hs.48433	0	1	endocrine regulator (HRIHFB2436), mRNA /cds=
	516H2	1	212	NM_017948	Hs.48712	2.00E-90	2	hypothetical protein FLJ20736 (FLJ20736), mR
	517G9	665	1649	NM_004462	Hs.48876	0	2	farnesyl-diphosphate farnesyltransferase 1
	146A2	88	440	X76770	Hs.49007	0	1	PAP /cds=UNKNOWN /gb=X76770 /gi=556782 /ug
	174H4	2612		AF189011	Hs.49163	0	1	ribonuclease III (RN3) mRNA, complete cds /cds
	121G3	463	829	NM_017917	Hs.49376	0	1	hypothetical protein FLJ20644 (FLJ20644), mR
	170B9	2260		AK023825	Hs.49391	0	1	FLJ13763 fis, clone PLACE4000089 /cds=(56
	65E2	629	1798	AF062075	Hs.49587		4	leupaxin mRNA, complete cds /cds=(93,1253) /g
	518B2	26	1798	NM_004811			12	leupaxin (LPXN), mRNA /cds=(93,1253) /gb=NM_0
	472E8	1182		AL390132	Hs.49822		1	mRNA; cDNA DKFZp547E107 (from clone DKFZp547E1
	41B12	57	576	AB000887	Hs.50002	0	1	for EBI1-ligand chemokine, complete cds
	41D1	1	310	U86358		1.00E-135	1	chemokine (TECK) mRNA, complete cds /cds=(0,452) /gb
	107C9	2861	3541	M64174	Hs.50651	0	3	protein-tyrosine kinase (JAK1) mRNA, complete cds /c
	599H12	202	3541	NM_002227	Hs.50651	0	11	Janus kinase 1 (a protein tyrosine kinase) (JAK
	105E3	621	1101	AF047442	Hs.50785	0	1	vesicle trafficking protein sec22b mRNA, comp
	129B5	2489		X16354	Hs.50964	0	2	transmembrane carcinoembryonic antigen BGPa
	587H2	748	1673	NM_000521	Hs.51043	0	2	hexosaminidase B (beta polypeptide) (HEXB), m
	458H12	4043	4561	NM_000887		0	1	integrin, alpha X (antigen CD11C (p150), alpha
	129C9	4055		Y00093	Hs.51077		1	leukocyte adhesion glycoprotein p150,95
	125D8	2502		AF016266	Hs.51233		3	TRAIL receptor 2 mRNA, complete cds /cds=(117,1
	179E1	17	343	M22538	Hs.51299	1.00E-179) 1	nuclear-encoded mitochondrial NADH-ubiquinone redu

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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165D7	35	754	NM_021074	Hs.51299	0	4	NADH dehydrogenase (ubiquinone) flavoprotein
107F10	2632	2993	Y11251	Hs.51957	0	2	novel member of serine-arginine domain p
195B12	1344	1590	NM_017903	Hs.52184	3.00E-96	1	hypothetical protein FLJ20618 (FLJ20618), mR
69D7	3046	3568	AB014569	Hs.52526	0	4	for KIAA0669 protein, complete cds /cds=(
55D1	2607	2847	NM_014779	Hs.52526	1.00E-130	1	KIAA0669 gene product (KIAA0669), mRNA /cds=(
480B8	1943	2062	AL080213	Hs.52792	8.00E-44	1	mRNA; cDNA DKFZp586l1823 (from clone DKFZp586l
72G7	1236	1348	NM_018607	Hs.52891	2.00E-55	1	hypothetical protein PRO1853 (PRO1853), mRNA
526D1	1	256	NM_004597	Hs.53125	1.00E-114	1	small nuclear ribonucleoprotein D2 polypeptid
458E8	1182	1701	NM_002621	Hs.53155	0	1	properdin P factor, complement (PFC), mRNA /cd
458G2	2171	2836	NM_001204	Hs.53250	0	1	bone morphogenetic protein receptor, type II
458F7	30	650	NM_002200	Hs.54434	0	1	interferon regulatory factor 5 (IRF5), mRNA /
459F12	2023	3325	NM_006060	Hs.54452	0	2	zinc finger protein, subfamily 1A, 1 (Ikaros) (
41A6	498	755	U46573	Hs.54460	1.00E-140	1	eotaxin precursor mRNA, complete cds /cds=(53,346)
500040	0.40	050	NIM COACOO	Hs.54483	0	2	/ N-myc (and STAT) interactor (NMI), mRNA /cds=(
590A10	243	659	NM_004688			1	glycine C-acetyltransferase (2-amino-3-keto
461C11	872	1415	NM_014291 AJ243721	Hs.54642		3	for dTDP-4-keto-6-deoxy-D-glucose 4-re
170H5	412	1630				8	methionine adenosyltransferase II, beta (MAT
521F5	270	1491	NM_013283	Hs.54642			H.sapiens RY-1 mRNA for putative nucleic acid
189H5	737	1049	X76302	HS.54649	1.00E-131	2	binding protei
599D10	2614	3035	AB029015	Hs.54886	0	5	mRNA for KIAA1092 protein, partial cds /cds=(0
458D5	1026		AK027243	Hs.54890	0	1	cDNA: FLJ23590 fis, clone LNG14491 /cds=(709,1
37A10	1633		AK026024	Hs.55024	0	1	FLJ22371 fis, clone HRC06680 /cds=(77,12
121A8	799	1217	NM_018053	Hs.55024	1.00E-160	1	hypothetical protein FLJ10307 (FLJ10307), mR
460B1		5 11326	AF231023	Hs.55173		1	protocadherin Flamingo 1 (FMI1) mRNA, complete
57F1	1450		NM_003447	Hs.55481	0	2	zinc finger protein 165 (ZNF165), mRNA /cds=(5
68D10	979	2070	U78722	Hs.55481		4	zinc finger protein 165 (Zpf165) mRNA, complete
584G7	268	1674	NM_003753	Hs.55682	0	4	eukaryotic translation initiation factor 3,
161C8	63	394	NM_017897	Hs.55781	1.00E-177	1	hypothetical protein FLJ20604 (FLJ20604), mR
588F6	1	387	NM_016497		0	1	hypothetical protein (LOC51258), mRNA /cds=(
597E10	334	2073	NM_004446		0	5	glutamyl-prolyl-tRNA synthetase (EPRS), mRN
138H10	3603		X54326	Hs.55921		1	glutaminyl-tRNA synthetase /cds=(58,43
121D5	3959		AB018348	Hs.55947	1.00E-130	1	mRNA for KIAA0805 protein, partial cds /cds=(0
473D12	1428		AJ245539	Hs.55968	0	2	partial mRNA for GalNAc-T5 (GALNT5 gene) /cds=
71E3	843	1724	NM_005542	Hs.56205	0	30	insulin induced gene 1 (INSIG1), mRNA /cds=(414
73F4	843	2495	U96876	Hs.56205		32	insulin induced protein 1 (INSIG1) gene, compl
75C8	180	2439	AJ277832	Hs.56247	0	13	for inducible T-cell co-stimulator (ICOS
187A6	2073		AF195530	Hs.56542	2.00E-99	1	soluble aminopeptidase P (XPNPEP1) mRNA, comp
584H5	1496		NM 001494	Hs.56845	1.00E-151	1	GDP dissociation inhibitor 2 (GDI2), mRNA /cds
460C5	2395		AK022936	Hs.56847	0	1	cDNA FLJ12874 fis, clone NT2RP2003769 /cds=UNK
	404	744	D0000E04	Un E00E1	0	1	Similar to RIKEN cDNA 2900073H19 gene, clone
460B5	164	741	BC003581 AK027232	Hs.56851 Hs.57209		2	FLJ23579 fis, clone LNG13017 /cds=UNKNOW
54G4	1359			Hs.57209		3	mRNA; cDNA DKFZp566J091 (from clone
192D8	15/6	3 2872	AL136703	HS.37209	U	3	DKFZp566J0
66F9	618	1056	U41654	Hs.57304	0	1	adenovirus protein E3-14.7k interacting protein 1 (
183A1	2093		NM 003751	Hs.57783	1.00E-132	1	eukaryotic translation initiation factor 3,
117B3	6933		NM_022898		1.00E-154	. 3	B-cell lymphoma/leukaemia 11B (BCL11B), mRNA
74C11	273	359	BE739287		7.00E-21	1	601556492F1 cDNA, 5' end /clone=IMAGE:3826247
17440	5591	1 5977	AJ131693	Hs.58103	s 0	1	mRNA for AKAP450 protein /cds=(222,11948) /gb
174H2 599H8	26	993	NM_003756			3	eukaryotic translation initiation factor 3,
168F12	295	593	U54559		1.00E-166		translation initiation factor elF3 p40 subuni
100512	293	555	007000	113.50103	, 1.00E-100	•	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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68B11	1	297	BE867841	Hs.58297	1.00E-146	1	601443614F1 cDNA, 5' end /clone=IMAGE:3847827
104A6	376	2578	AF001862	Hs.58435	0	3	FYN binding protein mRNA, complete cds /cds=(67
192E3	230	648	NM_001465	Hs.58435		4	FYN-binding protein (FYB-120/130) (FYB), mRN
73B4	1287	1763	AK022834	Hs.58488		1	FLJ12772 fis, clone NT2RP2001634, highly
100G3	1568	1786	NM 004850	Hs.58617		1	Rho-associated, coiled-coil containing prot
	1997	2464	NM_013352	Hs.58636		1	squamous cell carcinoma antigen recognized by
116G9			AV760147		1.00E-111		AV760147 cDNA, 5' end /cione=MDSEPB12 /clone_
178C6	5	710	AV/0014/	115.50045	1.001-111	J	
519B1	2203	2320	NM_014207	Hs.58685	1.00E-56	1	CD5 antigen (p56-62) (CD5), mRNA /cds=(72,1559
40B6	1655	2283	X04391	Hs.58685	0	1	lymphocyte glycoprotein T1/Leu-1 /cds=(72,1
466B9	262	534	AI684437	Hs.58774	1.00E-107	1	wa82a04.x1 cDNA, 3' end /clone=IMAGE:2302638
480H7	86	234	NM_006568	Hs.59106	1.00E-54	1	cell growth regulatory with ring finger domain
44A7	2229	2703	X17094	Hs.59242	0	1	fur mRNA for furin /cds=(216,2600) /gb=X17094 /gi=314
106D12	21	380	M96982	Hs.59271	0	2	U2 snRNP auxiliary factor small subunit, compl
39C5	1821	2653	AB011098	Hs.59403		1	for KIAA0526 protein, complete cds /cds=(
185H7	1826	2352	NM 004863	Hs.59403		1	serine palmitoyltransferase, long chain base
459C5	126	443	AA889552		1.00E-158	1	ak20d12.s1 cDNA, 3' end /clone=IMAGE:1406519
108B8	2760	3079	AJ132592		1.00E-138	1	for zinc finger protein, 3115 /cds=(107,27
194F7	2074	2461	NM 018227	Hs.59838		1	hypothetical protein FLJ10808 (FLJ10808), mR
465D4	2	132	Al440512	Hs.59844		1	tc83f09.x1 cDNA, 3' end /clone=IMAGE:2072777
161H10	1	381	AA004799		1.00E-169	1	zh96b05.s1 cDNA, 3' end /clone=IMAGE:429105 /
465B6	228	383	NM 018986	Hs.61053		1	hypothetical protein (FLJ20356), mRNA /cds=(
102G9	359	725	D11094	Hs.61153		1	MSS1, complete cds /cds=(66,1367) /gb=D11094
193C6	359	725	NM_002803		1.00E-174	2	proteasome (prosome, macropain) 26S subunit,
99E7	1768	2339	AL023653	Hs.61469		10	DNA sequence from clone 753P9 on chromosome
99E1	1700	2000	/ LOZOGO	110.01.100	·		Xq25-26.1.
462B9	5	411	BE779284	Hs.61472	1.00E-152	1	601464557F1 cDNA, 5' end /clone=IMAGE:3867566
594F11	220	569	NM 003905	Hs.61828	1.00E-159	2	amyloid beta precursor protein-binding prote
102E7	1216	1921	AF046001	Hs.62112	0	3	zinc finger transcription factor (ZNF207) mRN
192B4	754	934	NM_003457	Hs.62112	2.00E-98	2	zinc finger protein 207 (ZNF207), mRNA /cds=(2
41G9	1664		J02931	Hs.62192	0	1	placental tissue factor (two forms) mRNA, complete cd
482E12	1857	2149	NM_001993	Hs.62192	5.00E-87	1	coagulation factor III (thromboplastin, tiss
459C10	1548	1845	AB011114	Hs.62209	1.00E-166	1	mRNA for KIAA0542 protein, partial cds /cds=(39
114D6	2251	2712	NM_002053	Hs.62661	0	1	guanylate binding protein 1, interferon-induc
590C9	83	760	NM_002032	Hs.62954	0	43	ferritin, heavy polypeptide 1 (FTH1), mRNA /c
458C5	1798	2407	AB033118	Hs.63128	0	1	mRNA for KIAA1292 protein, partial cds /cds=(0
109E5	4661	5114	AB002369	Hs.63302	0	1	KIAA0371 gene, complete cds /cds=(247,3843)
589G9	250	5650	NM_021090	Hs.63302	0	6	myotubularin related protein 3 (MTMR3), mRNA
182E4	1751	2144	NM_002831	Hs.63489	0	1	protein tyrosine phosphatase, non-receptor t
589C8	1787	2222	AK023529	Hs.63525	0	2	cDNA FLJ13467 fis, clone PLACE1003519, highly
458D7	1595	1912	NM_022727	Hs.63609	1.00E-180	1	Hpall tiny fragments locus 9C (HTF9C), mRNA /c
193A2	144	2588	NM_003264	Hs.63668	0	5	toll-like receptor 2 (TLR2), mRNA /cds=(129,24
117C3	1504	2366	AF131762	Hs.64001	0	3	clone 25218 mRNA sequence /cds=UNKNOWN /gb=AF
109F1	568	2157	AL031602	Hs.64239	0	3	DNA sequence from clone RP5-1174N9 on chromosome 1p34
40D5	698	1192	U32324	Hs.64310	0	1	interleukin-11 receptor alpha chain mRNA, complete c
522F4	12	504	NM_006356	Hs.64593	0	1	ATP synthase, H+ transporting, mitochondrial
462E9	215	891	NM_015423		0	1	aminoadipate-semialdehyde dehydrogenase-ph
164G10	37	889	NM_006851			2	glioma pathogenesis-related protein (RTVP1),
			•				

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155G10	1	601	U16307	Hs.64639	0	1	glioma pathogenesis-related protein (GliPR) mRNA, c
110D11	341	712	S60099	Hs.64797	0	1	APPH=amyloid precursor protein homolog [human, placenta,
E12E0	3411	3986	AF148537	Hs.65450	0	7	reticulon 4a mRNA, complete cds /cds=(141,3719
513E8	1415	1749	NM_018174		1.00E-163	1	hypothetical protein FLJ10669 (FLJ10669), mR
460F4			NM_001775	Hs.66052		1	CD38 antigen (p45) (CD38), mRNA /cds=(69,971)
478H8	486	1037 3516	AB051540	Hs.66053		1	mRNA for KIAA1753 protein, partial cds /cds=(0
461A6	2977		AL157438	Hs.66151		6	mRNA; cDNA DKFZp434A115 (from clone
191E7	1	494	AL137430	115.00131	U		DKFZp434A1
464B6	76	623	NM_002528	Hs.66196	0	1	nth (E.coli endonuclease III)-like 1 (NTHL1),
473C6	149	517	BE673759	Hs.66357	0	1	7d69d02.x1 cDNA, 3' end /clone=IMAGE:3278211
171G11	1001	1385	Z98884	Hs.66708	0	1	DNA sequence from clone RP3-467L1 on chromosome 1p36.
169H3	15	1800	X82200	Hs.68054	0	4	Staf50 /cds=(122,1450) /gb=X82200 /gi=8992
167G9	747	1104	NM 005932		1.00E-101	1	mitochondrial intermediate peptidase (MIPEP)
170H3	747	1104	U80034	Hs.68583	6.00E-99	1	mitochondrial intermediate peptidase precurs
69F9	321	1348	U78027	Hs.69089	0	5	Bruton's tyrosine kinase (BTK), alpha-D-galac
586D6	16	676	NM 006360		1.00E-173	2	dendritic cell protein (GA17), mRNA /cds=(51,1
591E3	74	189	NM 002385	Hs.69547		1	myelin basic protein (MBP), mRNA /cds=(10,570)
597H2	482	2702	NM_007158	Hs.69855		8	NRAS-related gene (D1S155E), mRNA /cds=(420,2
00/112	.02						
515C5	3257	3421	NM_003169	Hs.70186	8.00E-45	1	suppressor of Ty (S.cerevisiae) 5 homolog (SUP
461B9	44	425	H06786	Hs.70258	0	1	yl83g05.r1 cDNA, 5' end /clone=IMAGE:44737 /c
525H4	2834		NM_014933	Hs.70266	4.00E-77	1	yeast Sec31p homolog (KIAA0905), mRNA /cds=(53
521C3	1	1165	NM_016628	Hs.70333	1.00E-176	2	hypothetical protein (LOC51322), mRNA /cds=(
460E5	414	994	AF138903	Hs.70337	0	1	immunoglobulin superfamily protein beta-like
190C7	1406	1788	D50926	Hs.70359	0	1	mRNA for KIAA0136 gene, partial cds /cds=(0,2854) /gb
497F10	653	1096	NM_014210	Hs.70499	0	3	ecotropic viral integration site 2A (EVI2A), m
37C11	820	1523	AB002368	Hs.70500		4	KIAA0370 gene, partial cds /cds=(0,2406) /gb
464B2	496	721	BG283002		3.00E-99	1	602406192F1 cDNA, 5' end /clone=IMAGE:4518214
69G4	1292	2708	AL161991	Hs.71252	0	4	cDNA DKFZp761C169 (from clone DKFZp761C1
485E4	176	485	AA131524		1.00E-151	1	zl31h02.s1 cDNA, 3' end /clone=IMAGE:503571 /
161G2	1338		NM_003129			1	squalene epoxidase (SQLE), mRNA /cds=(214,193
188D6	328	597	NM_016630		1.00E-129		hypothetical protein (LOC51324), mRNA /cds=(
483B5	12	384	NM_021128			1	polymerase (RNA) II (DNA directed) polypeptide
161F6	675	1114	U79277	Hs.71848		1	clone 23548 mRNA sequence /cds=UNKNOWN /gb=U79277 /g
473F8	377	729	BE889075	Hs.71941	1.00E-146	1	601513514F1 cDNA, 5' end /clone=IMAGE:3915003
102A6	1129	1560	AK023183	Hs.72782	0	1	FLJ13121 fis, clone NT2RP3002687 /cds=(39
41E2	56	539	M57506	Hs.72918		1	secreted protein (I-309) gene, complete cds /cds=(72,
4162	50	000	11107 000	,,,,,,	•		,
476E12	1790	2311	S76638	Hs.73090	0	2	p50-NF-kappa B homolog [human, peripheral blood T cells, mR
41 G 7	3116	3469	U64198	Hs.73165	1.00E-173	1	II-12 receptor beta2 mRNA, complete cds /cds=(640,322
51C9	1721	1 2339	NM_005263	Hs.73172	0	4	growth factor independent 1 (GFI1), mRNA /cds=
67H6	1723		U67369	Hs.73172		1	growth factor independence-1 (Gfi-1) mRNA, complete
0/110	1120	2074	23,000		-		•
179E7	211	610	M92444	Hs.73722	0	1	apurinic/apyrimidinic endonuclease (HAP1) g
585G3	174	589	NM_001641	Hs.73722	. 0	8	APEX nuclease (multifunctional DNA repair enz
138A11	1360		M72709		1.00E-151	1	alternative splicing factor mRNA, complete cds /cds=

				,		<i>y</i>	
49C8	1628	2276	AK001313	Hs.73742	0	4	cDNA FLJ10451 fis, clone NT2RP1000959, highly
41D7	2760	3563	J03565	Hs.73792	0	1	Epstein-Barr virus complement receptor type II(cr2)
4107	2/00	3303	303303	113.70702	J		'
121F8	2470	2815	AL136131	Hs.73793	1.00E-123	1	DNA sequence from clone RP1-261G23 on chromosome 6p12
						•	selectin P (granule membrane protein 140kD, an
482C7	2864	3199	NM_003005		1.00E-165		·-
153E12	160	778	D90144	Hs.73817	0	22	gene for LD78 alpha precursor, complete cds /c
489E12	161	776	NM_002983	Hs.73817	0	6	small inducible cytokine A3 (homologous to mo
177D7	112	388	BF673951	Hs.73818	1.00E-143	1	602137331F1 cDNA, 5' end /clone=IMAGE:4274094
587E10	5	387	NM_006004	Hs.73818	1.00E-155	6	ubiquinol-cytochrome c reductase hinge prote
	119	436	AL110183		1.00E-148	1	cDNA DKFZp566A221 (from clone DKFZp566A2
142H11		375	NM_001685			6	ATP synthase, H+ transporting, mitochondrial
190G11	1			Hs.73957		4	RAB5A, member RAS oncogene family, clone MGC:
119D10	675	1700	BC001267	П5.13831	U	7	To the first term of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state
			NINA 000040	11a 72065	0	2	splicing factor, arginine/serine-rich 2 (SFR
135H12	1244		NM_003016			2	PR264 gene /cds=(98,763) /gb=X75755 /gi=455418
160E6	1811	2196	X75755	Hs.73965	0	5	PR264 gene /cds=(96,765) /gb=X75755 /gi=455410
						_	# 0 Pakalate ada (ada=(120 1628) /ah=1 2
175F9	791	1446	L29218	Hs.73986		2	clk2 mRNA, complete cds /cds=(129,1628) /gb=L2
516D9	782	1144	NM_003992			1	CDC-like kinase 3 (CLK3), transcript variant p
469F3	1778	1956	NM_002286	Hs.74011	4.00E-78	1	lymphocyte-activation gene 3 (LAG3), mRNA /cd
481D6	1323	1805	Z22970	Hs.74076	1.00E-173	1	H.sapiens mRNA for M130 antigen cytoplasmic variant
							2 /cds=(
193H9	813	1569	NM_007360	Hs.74085	1.00E-127	3	DNA segment on chromosome 12 (unique) 2489 expr
100110	0.0						
39D9	810	994	X54870	Hs.74085	1.00E-100	1	NKG2-D gene /cds=(338,988) /gb=X54870 /gi=3
71F3	3014		NM_004430				early growth response 3 (EGR3), mRNA /cds=(357,
1153	3014	3030	14141_004430	110.7-1000			
74012	3651	4214	S40832	Hs 74088	1.00E-114	7	EGR3=EGR3 protein mRNA,
74B12			AL050391		6.00E-72	2	cDNA DKFZp586A181 (from clone DKFZp586A1
105E11	2	142				9	caspase 4, apoptosis-related cysteine protea
174A12	141	1072	NM_001225				60S ribosomal protein L15 (EC45) mRNA, complet
599 E 9	351	1864	AF279903	Hs.74267		6	clone TCBAP0781 mRNA sequence /cds=(40,654) /
74F7	126	1867	AF283772	Hs.74267	0	8	Cione TCBAPU761 IIIRNA sequence reus=(40,004)7
							chloride channel ABP mRNA, complete cds /cds=(
156G12	554	831	AF034607	Hs.74276			
118F4	1	148	BG112085	Hs.74313	7.00E-65	2	602283260F1 cDNA, 5' end /clone=IMAGE:4370727
							DALK consists and
70G10	1	2177	M16660	Hs.74335	0	26	90-kDa heat-shock protein gene, cDNA, complete cds
							/c
64D1	330	2219	NM_007355	Hs.74335	0	26	heat shock 90kD protein 1, beta (HSPCB), mRNA /
121E12	700	1033	NM 006826	Hs.74405	0	1	tyrosine 3-monooxygenase/tryptophan 5-monoo
177D3	480	1645	X57347	Hs.74405	0	2	HS1 protein /cds=(100,837) /gb=X57347 /
155A5	680	1176	U86602	Hs.74407		1	nucleolar protein p40 mRNA, complete cds
							/cds=(142,10
181G10	180	2 2302	NM_012381	Hs.74420	0	2	origin recognition complex, subunit 3 (yeast h
66D8	927		X86691	Hs.74441	0	1	218kD Mi-2 protein /cds=(89,5827) /gb=X
189D10	383		NM_001749			7	calpain 4, small subunit (30K) (CAPN4), mRNA /
			_	Hs.74451			calcium dependent protease (small subunit) /
171A3	721		X04106			1	nuclease sensitive element binding protein 1
173F3	106		NM_004559				aryl hydrocarbon receptor nuclear translocato
176B7	159		NM_001178			1	
481A11	201	2 2210	NM_000947		2.00E-61	1	primase, polypeptide 2A (58kD) (PRIM2A), mRNA
116G8	689	1417	NM_002537	7 Hs.74563	3 0	4	ornithine decarboxylase antizyme 2 (OAZ2), mR
526F6	185	1088	NM_00314	5 Hs.74564	1 0	3	signal sequence receptor, beta (translocon-as
104D3	713		X79353	Hs.74576	3 0	1	XAP-4 mRNA for GDP-dissociation inhibitor /cds=(
518G1	272		NM_00135		3 1.00E-13	4 1	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide
459H1	309				3.00E-67	1	KIAA0275 gene product (KIAA0275), mRNA /cds=(
403011	309	J J200	,,,,,_51470				- ·

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

69C5	2204	2701	M07297	He 74502	۸	3	MAR/SAR DNA binding protein (SATB1) mRNA
	2304	2781	M97287	Hs.74592			<u> </u>
587F12	930	2777	NM_002971	Hs.74592		6	special AT-rich sequence binding protein 1 (b
124H10	1240	1812	NM_002808		0	2	proteasome (prosome, macropain) 26S subunit,
57F10	700	2310	NM_000311		0	60	prion protein (p27-30) (Creutzfeld-Jakob dis
74A10	870	2252	U29185	Hs.74621	0	34	prion protein (PrP) gene, complete cds /cds=(24
176H10	465	923	NM_000108	Hs.74635	0	1	dihydrolipoamide dehydrogenase (E3 component
98F4	870	2566	NM_003217	Hs.74637	0	7	testis enhanced gene transcript (TEGT), mRNA
179H8	1	1210	X75861	Hs.74637	0	3	TEGT gene /cds=(40,753) /gb=X75861 /gi=456258 /
125C4	417	1425	NM_014280	Hs.74711	0	2	splicing factor similar to dnaJ (SPF31), mRNA
74C5	21	177	BE549137	Hs.74861	4.00E-65	1	601076443F1 cDNA, 5' end /clone=IMAGE:3462154
497B12	124	384	NM_006713	Hs.74861	1.00E-123	2	activated RNA polymerase II transcription cof
191E10	497	859	NM 022451	Hs.74899	0	1	hypothetical protein FLJ12820 (FLJ12820), mR
114A3	1032	1446	AY007131	Hs.75061	0	1	clone CDABP0045 mRNA sequence
117G3	279	799	NM_004622		0	1	translin (TSN), mRNA /cds=(81,767) /gb=NM_004
483G2	3293	3639	NM_006148	Hs.75080	1.00E-180	1	LIM and SH3 protein 1 (LASP1), /cds=(75,860) /g
181E11	8314	8804	NM 000038			1	adenomatosis polyposis coli (APC), mRNA /cds=
597G6	374	2361	_	Hs.75103	0	6	tyrosine 3-monooxygenase/tryptophan 5-monoo
			-				general transcription factor IIIA (GTF3A), mR
596F11	684	1088	NM_002097			1	, , ,
69C9	995	1564	AF113702	Hs.75117	U	4	clone FLC1353 PRO3063 mRNA, complete cds /cds=
4057	400	4540	ND4 004545	11. 75447	4.005.404		that the stress is a second to divine factor O. ASI-D. (
46E7	128	1519	NM_004515		1.00E-164	2	interleukin enhancer binding factor 2, 45kD (
481B10	66	515	NM_003201			1	transcription factor 6-like 1 (mitochondrial
469C5	368	969	NM_006708			1	glyoxalase I (GLO1), mRNA /cds=(87,641) /gb=N
71B4	939	2049	NM_002539	Hs.75212	0	24	ornithine decarboxylase 1 (ODC1) mRNA /cds=(33
75E10	173	1991	X16277	Hs.75212	0	51	ornithine decarboxylase ODC (EC 4.1.1.17) /c
166G9	2077	2632	L36870	Hs.75217	0	1	MAP kinase kinase 4 (MKK4) mRNA, complete cds /
167A12	2074	2619	NM_003010	Hs.75217	0	1	mitogen-activated protein kinase kinase 4 (M
105B12	3030	5207	D67029	Hs.75232	0	3	SEC14L mRNA, complete cds
125D1	4782	5209	NM_003003	Hs.75232	0	1	SEC14 (S. cerevisiae)-like 1 (SEC14L1), mRNA
184E4	2075	3174	D42040	Hs.75243	0	5	KIAA9001 gene, complete cds /cds=(1701,4106)
191E5	2071	3174	NM_005104	Hs.75243	0	2	bromodomain-containing 2 (BRD2), mRNA /cds=(1
186C12	4159	4866	NM_001068	Hs.75248	0	6	topoisomerase (DNA) II beta (180kD) (TOP2B), m
177C9	4473	4866	X68060	Hs.75248		1	topIIb mRNA for topoisomerase IIb /cds=(0,4865)
39D8	743	1980	D31885	Hs.75249		6	KIAA0069 gene, partial cds /cds=(0,680) /gb=
127G2	1363	1769	NM_016166		0	1	DEAD/H (Asp-Glu-Ala-Asp/His) box binding pro
64E5	4	1214	NM_002922			6	regulator of G-protein signalling 1 (RGS1), mR
69G5	276	914	S59049	Hs.75256		6	BL34=B cell activation gene [human, mRNA, 1398 nt]
0900	270	314	339049	115.75250	U	v	DE34-D cell activation gene [numan, minax, 1595 m]
101F6	315	758	AF054174	Hs.75258	0	1	histone macroH2A1.2 mRNA, complete cds /cds=(
596E10	320	1667	NM_004893	Hs.75258		5	H2A histone family, member Y (H2AFY), mRNA /cds
330E10	320	1007	14141_004095	113.75250	U	3	Tiza historie family, member 1 (112a) 1), mixtua/cus
587G10	639	953	NM_001628	He 75313	1.00E-147	1	aldo-keto reductase family 1, member B1 (aldo
128F7	181		X06956			4	• • •
		933		Hs.75318			HALPHA44 gene for alpha-tubulin, exons 1-3
74A1	321	3290	D21262	Hs.75337		10	KIAA0035 gene, partial cds /cds=(0,2125) /gb
50D8	2	667	BF303895	Hs.75344	U	4	601886515F2 cDNA, 5' end /clone=IMAGE:4120514
179F7	379	720	L07633	Uo 75240	1.00E 470	4	(along 1050 2) interferon gamma IEE SSB 5144 m
	379 158			Hs.75348	1.00E-179	4	(clone 1950.2) interferon-gamma IEF SSP 5111 m
191F3	100	872	NM_006263	Hs.75348		18	proteasome (prosome, macropain) activator su
		2204	KINA AAAAAA			1	
463G4	1849	2394	NM_001873				carboxypeptidase E (CPE), mRNA /cds=(290,1720
463G4 117D6	1849 224	671	AB023200	Hs.75361	0	1	mRNA for KIAA0983 protein, complete cds /cds=(
463G4 117D6 73E8	1849 224 1	671 2339	AB023200 D89077	Hs.75361 Hs.75367	0 0	1 8	mRNA for KIAA0983 protein, complete cds /cds=(for Src-like adapter protein, complete cd
463G4 117D6	1849 224	671	AB023200	Hs.75361	0 0 0	1	mRNA for KIAA0983 protein, complete cds /cds=(

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				11,5011	,,_ 0.0.0.0.		
462F2	73	361	NM_004172	Hs.75379	1.00E-158	1	solute carrier family 1 (glial high affinity gl
477G6	769	2043	NM_004300	Hs.75393	0	3	acid phosphatase 1, soluble (ACP1), transcript
62A10	1028	2528	X87949	Hs.75410	0	7	BiP protein /cds=(222,2183) /gb=X87949
125H4	510	807	NM_006010	Hs.75412		2	Arginine-rich protein (ARP), mRNA /cds=(132,8
70H1	29	2349	AK026463	Hs.75415		30	FLJ22810 fis, clone KAIA2933, highly sim
60D3	160	1666	D31767	Hs.75416		6	KIAA0058 gene, complete cds /cds=(69,575) /g
	103	1233	NM_014764	Hs.75416		10	DAZ associated protein 2 (DAZAP2), mRNA /cds=(
98D5	103	1233	14141_014704	113.70-10	•		, , ,
EEUA	1183	1390	NM_016525	Hs.75425	2 00F-81	1	ubiquitin associated protein (UBAP), mRNA /cd
55H1			BF131654	Hs.75428		3	601820480F1 cDNA, 5' end /clone=IMAGE:4052586
44B12	51	480	DF 13 1034	113.13420	·	·	, , , , , , , , , , , , , , , , , , , ,
C4E44	4	177	NM_000454	Hs.75428	7 NOF-94	1	superoxide dismutase 1, soluble (amyotrophic
64E11	1	177	L33842	Hs.75432		4	(clone FFE-7) type II inosine monophosphate de
65D3	387	969				1	IMP (inosine monophosphate) dehydrogenase 2
58F9	379	672	NM_000884		1.00E-149		601476059F1 cDNA, 5' end /clone=IMAGE:3878799
73B1	87	291	BE790474	Hs.75458	5.00E-71	2	00 147 0039F 1 CDIAA, 3 CHA TOINIC-INDICE.SOT OF OS
	_			11- 75450	1.00E-170	•	ribosomal protein L18 (RPL18), mRNA /cds=(15,5
585G5	1	302	NM_000979				BTG family, member 2 (BTG2), mRNA /cds=(71,547)
173A1	1893	2653	NM_006763	Hs.75462	U	2	BTG family, member 2 (BTG2), mixto-rods-(71,047)
				75470	•	4	mRNA expressed in osteoblast, complete cds /cd
166A10	601	1147	AB000115	Hs.75470		1	
180D10	601	1045	NM_006820	Hs.75470		1	hypothetical protein, expressed in osteoblast
122D9	3322	5191	AB023173	Hs.75478		2	mRNA for KIAA0956 protein, partial cds /cds=(0
461E5	2484	2804	AL133074	Hs.75497	1.00E-144	1	mRNA; cDNA DKFZp434M1317 (from clone
							DKFZp434M
512D6	69	799	NM_004591	Hs.75498		12	small inducible cytokine subfamily A (Cys-Cys
146B12	54	783	U64197	Hs.75498	0	4	chemokine exodus-1 mRNA, complete cds /cds=(4
596H5	685	1952	NM_001157	Hs.75510	0	5	annexin A11 (ANXA11), mRNA /cds=(178,1695) /g
179D6	215	603	D23662	Hs.75512	1.00E-168	2	ubiquitin-like protein, complete cds
522G12	52	603	NM_006156	Hs.75512	0	2	neural precursor cell expressed, developmenta
46B6	1108	1418	NM_000270	Hs.75514	1.00E-166	1	nucleoside phosphorylase (NP), mRNA /cds=(109
73H11	83	1418	X00737	Hs.75514	1.00E-104	3	purine nucleoside phosphorylase (PNP; EC 2.
154F7	1279		L05425	Hs.75528	0	3	nucleolar GTPase mRNA, complete cds /cds=(79,2
164C10			NM_013285			2	nucleolar GTPase (HUMAUANTIG), mRNA /cds=(79,
107010	1200	1010	00_00		•		
106C8	76	322	Z25749	Hs.75538	1.00E-130	3	gene for ribosomal protein S7 /cds=(81,665) /gb=
98E5	474	1188	NM_003405	Hs.75544	0	1	tyrosine 3-monooxygenase/tryptophan 5-monoo
459G10			NM_000418			1	interleukin 4 receptor (IL4R), mRNA /cds=(175,
		692	U03851	Hs.75546		1	capping protein alpha mRNA, partial cds
44B2	71	092	003031	113.100-10	·	•	/cds=(16,870)
483F2	1207	1392	NM_004357	Hs 75564	1.00E-80	1	CD151 antigen (CD151), mRNA /cds=(84,845) /gb
	1968		NM_021975			1	v-rel avian reticuloendotheliosis viral onco
596D6			NM_014763				mitochondrial ribosomal protein L19 (MRPL19),
466G10		896					cyclin D2 (CCND2), mRNA /cds=(269,1138) /gb=N
524B3	6194		NM_001759				interleukin 2 receptor, beta (IL2RB), mRNA /cd
.481B4	3423		NM_000878				hnRNP B1 protein mRNA /cds=(149,1210)
162B5	753	1694	M29064	Hs.75598	. 0	6	/gb=M29064 /gi
				===00	4.00= 400		heterogeneous nuclear ribonucleoprotein A2/
176F5	730	922	NM_002137		1.00E-106		
106C2	1654	1 2589	D10522	Hs.75607		8	for 80K-L protein, complete cds /cds=(369,
98C5	1538	3 2589	NM_002356			20	myristoylated alanine-rich protein kinase C
192E5	1007	7 1416	NM_006819	Hs.75612	2 0	1	stress-induced-phosphoprotein 1 (Hsp70/Hsp9
40E12	836	1765	M98399	Hs.75613	3 0	2	antigen CD36 (clone 21) mRNA, complete cds
							/cds=(254,1
107C6	149	1 1595	AF113676	Hs.75621	3.00E-51	1	clone FLB2803 PRO0684 mRNA, complete cds /cds=
117E9	149	1033	NM_001779			2	CD58 antigen, (lymphocyte function-associate
482H10	740	1367	NM_00059	1 Hs.75627	7 0	1	CD14 antigen (CD14), mRNA /cds=(119,1246) /gb

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

	Hybridization analysis										
482D4	1342	1659	NM_006163	Hs.75643	3 00F-82	1	nuclear factor (erythroid-derived 2), 45kD (N				
73F8	2864	3657	L49169		0	20	G0S3 mRNA, complete cds /cds=(593,1609) /gb=L49169 /				
E0C2	3222	3657	NM_006732	Hs.75678	0	6	FBJ murine osteosarcoma viral oncogene homolo				
58G3 53A7	30	836	J04130	Hs.75703		138	activation (Act-2) mRNA, complete cds /cds=(108,386)				
00/1/											
500E11	41	688	NM_002984	Hs.75703	0	128	small inducible cytokine A4 (homologous to mo				
170E9	415	2376	M16985	Hs.75709	0	6	cation-dependent mannose 6-phosphate-specific rece				
	4750	0.404	NIM 000055	Ua 75700	0	3	mannose-6-phosphate receptor (cation depende				
591E8	1759	2401	NM_002355	Hs.75709 Hs.75716	0	13	serine (or cysteine) proteinase inhibitor, cl				
191A11	20	1900	NM_002575 Y00630	Hs.75716		8	Arg-Serpin (plasminogen activator-inhibito				
184F5	18	1900 747	NM_005022	Hs.75721		2	profilin 1 (PFN1), mRNA /cds=(127,549) /gb=NM				
593G8	238 504	2101	NM_002951	Hs.75722		2	ribophorin II (RPN2), mRNA /cds=(288,2183) /g				
178G9	2341	2488	Y00282	Hs.75722		1	ribophorin II /cds=(288,2183) /gb=Y00282 /g				
138F12 37F7	1328	1863	AK023290	Hs.75748		3	FLJ13228 fis, clone OVARC1000085, highly				
119C7	3736	4103	NM 003137			1	SFRS protein kinase 1 (SRPK1), mRNA /cds=(108,2				
11007	0,00		,								
52E8	574	1106	M36820	Hs.75765	0	2	cytokine (GRO-beta) mRNA, complete cds /cds=(74,397)				
74C8	2055	3026	M10901	Hs.75772	0	4	glucocorticoid receptor alpha mRNA, complete cds /cd				
196C5	2600	4591	NM_000176	Hs.75772	0	5	nuclear receptor subfamily 3, group C, member				
68E7	2194	2597	D87953	Hs.75789		1	RTP, complete cds /cds=(122,1306) /gb=D87953				
116E3	289	621	NM_016470	Hs.75798	0	1	hypothetical protein (HSPC207), mRNA /cds=(0				
107C10	650	1165	AK025732	Hs.75811	0	1	FLJ22079 fis, clone HEP13180, highly sim				
123C12	459	969	NM_004315	Hs.75811	0	1	N-acylsphingosine amidohydrolase (acid cera				
99E11	1007	2346	NM_014761	Hs.75824	0	2	KIAA0174 gene product (KIAA0174), mRNA /cds=(
128C11	377	906	NM_006817	Hs.75841	0	2	endoplasmic reticulum lumenal protein (ERP28				
175F5	455	843	X94910	Hs.75841	1.00E-173	1	ERp28 protein /cds=(11,796) /gb=X9491				
182F12	4263	4842	D86550	Hs.75842	0	1	mRNA for serine/threonine protein kinase, complete c				
175E3	3255	3787	AL110132	Hs.75875	0	1	mRNA; cDNA DKFZp564H192 (from clone DKFZp564H1				
195G3	1435	2132	NM_003349	Hs.75875	0	2	ubiquitin-conjugating enzyme E2 variant 1 (U				
184B12	17	282	BF698920	Hs.75879	1.00E-138	8	602126495F1 cDNA, 5' end /clone=IMAGE:4283350				
67G6	1218	1605	AK000639	Hs.75884	1.00E-173	1	FLJ20632 fis, clone KAT03756, highly simi				
516A11	721	1109	NM_015416	Hs.75884	0	2	DKFZP586A011 protein (DKFZP586A011), mRNA /c				
44B1	1066	4914	NM_004371	Hs.75887	0	4	coatomer protein complex, subunit alpha (COPA				
594D3	3971	4158	NM_003791	Hs.75890	1.00E-73	1	site-1 protease (subtilisin-like, sterol-reg				
459H8	5291	5688	D87446	Hs.75912	1.00E-160	1	mRNA for KIAA0257 gene, partial cds /cds=(0,5418) /gb				
113F6	2281	2807	NM_006842	Hs.75916	0	1	splicing factor 3b, subunit 2, 145kD (SF3B2), m				
104F9	2334	2804	U41371	Hs.75916	0	1	spliceosome associated protein (SAP 145) mRNA, compl				
100F12	656	825	AK024890	Hs.75932	6.00E-83	1	FLJ21237 fis, clone COL01114 /cds=UNKNOW				
39E1	40	526	BF217687	Hs.75968	1.00E-124	2	601882510F1 cDNA, 5' end /clone=IMAGE:4094907				
111G8	41	547	NM_021109	Hs.75968	1.00E-166	19	thymosin, beta 4, X chromosome (TMSB4X), mRNA				
478A7	1335	1653	NM_006813	Hs.75969	1.00E-119	1	proline-rich protein with nuclear targeting s				
70E9	652	1065	U03105	Hs.75969	0	1	B4-2 protein mRNA, complete cds /cds=(113,1096) /gb=U				
596B9	508	1461	NM_003133	Hs.75975	0	2	signal recognition particle 9kD (SRP9), mRNA				

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				,		•	
513F12	1359	2169	NM_005151	Hs.75981	0	3	ubiquitin specific protease 14 (tRNA-guanine
74B3	1361	2166	U30888	Hs.75981	0	2	tRNA-guanine transglycosylase mRNA, complete cds /c
67B6	81	1457	X17025	Hs.76038	0	4	homolog of yeast IPP isomerase /cds=(50,736) /gb=X170
586F2	1471	2197	NM 004396	Hs.76053	0	13	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide
70B3	762	2211	X52104	Hs.76053	0	12	p68 protein /cds=(175,2019) /gb=X52104 /gi=3
73B2	32	494	BF214146	Hs.76064	0	1	601847762F1 cDNA, 5' end /clone=IMAGE:4078622
523E6	10	441	NM_000990	Hs.76064	0	2	ribosomal protein L27a (RPL27A), mRNA /cds=(1
38F7	6	372	Z23090	Hs.76067	0	2	28 kDa heat shock protein /cds=(491,1108)
59B6	916	1274	AF071596	Hs.76095	1.00E-174	1	apoptosis inhibitor (IEX-1L) gene, complete c
493B3	540	1206	NM_003897	Hs.76095	0	3	immediate early response 3 (IER3), mRNA /cds=(
483D7	1399	2063	NM_005626	Hs.76122		1	splicing factor, arginine/serine-rich 4 (SFR
591C12	13412	13873	NM_003922	Hs.76127	0	3	hect (homologous to the E6-AP (UBE3A) carboxyl
65H7	12209	12580	U50078	Hs.76127	`0	1	guanine nucleotide exchange factor p532 mRNA, complet
160B6	79	535	X77584	Hs.76136	1.00E-140	1	ATL-derived factor/thiredoxin /cds=(80
596A9	1	124	NM_001009	Hs.76194	3.00E-62	1	ribosomal protein S5 (RPS5), mRNA /cds=(37,651
51H5	2834	3174	AK025353	Hs.76230	1.00E-180	1	cDNA: FLJ21700 fis, clone COL09849, highly sim
115C8	1589	2005	NM 001748	Hs.76288	0	1	calpain 2, (m/II) large subunit (CAPN2), mRNA
588C5	4	336	NM_004492	Hs.76362		2	general transcription factor IIA, 2 (12kD subu
111D9	732	1077	NM_004930	Hs.76368	1.00E-161	2	capping protein (actin filament) muscle Z-lin
192A11	1589	1995	NM_002462	Hs.76391	0	3	myxovirus (influenza) resistance 1, homolog o
39F5	8481	8730	Y00285		1.00E-111	1	insuline-like growth factor II receptor /cds
98C4	487	3719	NM 002298	Hs.76506		38	lymphocyte cytosolic protein 1 (L-plastin) (L
124H12	611	1747	NM_004862			5	LPS-induced TNF-alpha factor (PIG7), mRNA /cd
37A6	920	1524	U77396		1.00E-162	2	LPS-Induced TNF-Alpha Factor (LITAF) mRNA, co
71E9	759	3362	D00099	Hs.76549		4	mRNA for Na,K-ATPase alpha-subunit, complete
73F5	951	1277	AK001361	Hs.76556	1.00E-168	1	FLJ10499 fis, clone NT2RP2000346, weakly
48H6	1097	1603	NM 014330			2	growth arrest and DNA-damage-inducible 34 (G
160C8	74	181	BE730376		2.00E-40	1	601563816F1 5' end /clone=IMAGE:3833690
589D11	86	455	NM_001697			2	ATP synthase, H+ transporting, mitochondrial
38B1	227	886	NM_014059	Hs.76640	0	9	RGC32 protein (RGC32), mRNA /cds=(146,499) /g
174B12	3024	4628	D80005		1.00E-136	4	mRNA for KIAA0183 gene, partial cds /cds=(0,3190) /gb
37A11	1788	3255	AF070673	Hs.76691	0	5	stannin mRNA, complete cds /cds=(175,441) /gb
58H11	1706		AL136807	Hs.76698	0	2	mRNA; cDNA DKFZp434L1621 (from clone DKFZp434L
477 F 9	6930	7298	AB002299	Hs.76730	0	2	mRNA for KIAA0301 gene, partial cds /cds=(0,6144) /gb
40G7	293	819	NM_000118	Hs.76753	0	1	endoglin (Osler-Rendu-Weber syndrome 1) (EN
75C11	10	1113	J00194	Hs.76807		5	human hla-dr antigen alpha-chain mrna & ivs fragments /cds=
99F4	10	969	NM_019111	Hs.76807	. 0	6	major histocompatibility complex, class II,
61G12	1870		AL133096	Hs.76853		1	cDNA DKFZp434N1728 (from clone DKFZp434N
599C2	41	346	NM_002790		1.00E-124		proteasome (prosome, macropain) subunit, alp
155C2	508	870	X61970	Hs.76913		1	for macropain subunit zeta /cds=(21,746) /g
70C5	3398		AF002020	Hs.76918		1	Niemann-Pick C disease protein (NPC1) mRNA, co
57A11	2173		NM_000271			1	Niemann-Pick disease, type C1 (NPC1), mRNA /cd
158C9	314	1233	NM 001679			3	ATPase, Na+/K+ transporting, beta 3 polypeptid
520E1	4175		NM_014757		1.00E-15		mastermind (Drosophila), homolog of (MAML1),
587D8	22	869	NM_001006			5	ribosomal protein S3A (RPS3A), mRNA /cds=(36,8
481F2	440	1488	NM_001731			3	B-cell translocation gene 1, anti-proliferati
53G11	340	1490	X61123	Hs.77054		3	BTG1 mRNA /cds=(308,823) /gb=X61123 /gi=29508
	•						/ug=Hs

521A6	147	1325	D55716	Hs.77152	0	2	mRNA for P1cdc47, complete cds /cds=(116,2275) /gb=D
37H9	2109	2530	X07109	Hs.77202	0	1	protein kinase C (PKC) type /cds=(136,2157) /
167H5	3915	4508	NM 006437	Hs.77225	0	1	ADP-ribosyltransferase (NAD+; poly (ADP-ribo
139G5	2183	2389	U61145	Hs.77256	1.00E-111	1	enhancer of zeste homolog 2 (EZH2) mRNA, complete cds
109H2	2502	2893	D38549	Hs 77257	0	1	KIAA0068 gene, partial cds /cds=(0,3816) /gb
184B7	619	1111	L25080	Hs.77273	0	1	GTP-binding protein (rhoA) mRNA, complete cds
587H1	614	1371	NM_001664		-	9	ras homolog gene family, member A (ARHA), mRNA
00////	014	107.1	1414_00100 i	110.77270	Ū	•	tas homolog gane lamily, mornibol ve (via vivy, million
99G10	1387	2219	NM_002658	Hs.77274	0	1	plasminogen activator, urokinase (PLAU), mRN
143C12	2403	2905	AL049332	Hs.77311	0	2	cDNA DKFZp564L176 (from clone DKFZp564L1
519B11	5248	5555	NM_000430	Hs.77318	1.00E-160	1	platelet-activating factor acetylhydrolase,
52F10	3249	3459	AF095901		1.00E-114		eRF1 gene, complete cds /cds=(136,1449) /gb=A
494G1	3255	3453	NM_004730		1.00E-109	2	eukaryotic translation termination factor 1
517E4	305	973	NM 014754	Hs.77329		2	phosphatidylserine synthase 1 (PTDSS1), mRNA
72F9	1934	4605	AF187320	Hs.77356		10	transferrin receptor (TFRC) gene, complete cd
46D6	241	4902	NM 003234	Hs.77356		2	transferrin receptor (p90, CD71) (TFRC), mRNA
113A12	1028	1290	NM_024033			1	hypothetical protein MGC5242 (MGC5242), mRNA
173A7	1142	1649	AK026164	Hs.77385		2	cDNA: FLJ22511 fis, clone HRC11837, highly sim
189E7	466	798	NM_002004				
						1	farnesyl diphosphate synthase (farnesyl pyro
479B1	306	482	NM_000566			1	Fc fragment of IgG, high affinity Ia, receptor
41E12	351	898	X14356	Hs.77424		1	high affinity Fc receptor (FcRI) /cds≈(36,116
122D3	562	855	NM_002664			1	pleckstrin (PLEK), mRNA /cds=(60,1112) /gb=N
59C11	1	2745	X07743	Hs.77436		5	pleckstrin (P47) /cds=(60,1112) /gb=X07743
590B1	5185	5274	NM_001379	Hs.77462		1	DNA (cytosine-5-)-methyltransferase 1 (DNMT1
522D1	572	956	NM_001929	Hs.77494	0	1	deoxyguanosine kinase (DGUOK), mRNA /cds=(11,
109E12	723	2474	D87684	Hs.77495	1.00E-163	5	for KIAA0242 protein, partial cds /cds=(0,
148E2	61	271	BE737246	Hs.77496	1.00E-81	1	601305556F1 5' end /clone=IMAGE:3640165
586D4	1887	2362	NM_003363	Hs.77500	0	1	ubiquitin specific protease 4 (proto-oncogene
57E8	29	2808	BC001854	Hs.77502	0	30	methionine adenosyltransferase II, alpha, c
70H9	87	1283	X68836	Hs.77502	0	14	S-adenosylmethionine synthetase /cds=(
69B2	778	3033	M20867	Hs.77508	0	2	glutamate dehydrogenase (GDH) mRNA, complete cds /cd
513F9	2694	2929	NM_005271	Hs.77508	1.00E-105	1	glutamate dehydrogenase 1 (GLUD1), mRNA /cds=
75A3	190	701	X62744	Hs.77522	0	1	RING6 mRNA for HLA class II alpha product /cds=(45,830
105E10	72	597	BE673364	Hs.77542	0	2	7d34a03.x1 cDNA, 3' end /clone=IMAGE:3249100
124B2	85	683	BE673304 BF508702	Hs.77542		3 8	UI-H-BI4-aop-g-05-0-UI.s1 cDNA, 3' end /clon
							· ·
524C9	829	1233	AK021563	Hs.77558	U	3	cDNA FLJ11501 fis, clone HEMBA1002100 /cds=UNK
523B12	7580	8153	NM_004652	Hs.77578	0	2	ubiquitin specific protease 9, X chromosome (D
166F3	169	340	AL021546	Hs.77608	7.00E-63	1	DNA sequence from BAC 15E1 on chromosome 12. Contains
195A11	164	451	NM_003769	Hs.77608	1.00E-162	1	splicing factor, arginine/serine-rich 9 (SF
595E1	618	1461	AF056322	Hs.77617	0	7	SP100-HMG nuclear autoantigen (SP100) mRNA, c
115A6	2954	3541	AL137938	Hs.77646	0	2	mRNA; cDNA DKFZp761M0223 (from clone DKFZp761M
592H6	261	951	NM_014752	Hs.77665	0	3	KIAA0102 gene product (KIAA0102), mRNA /cds=(
461F3	4657	4980	NM_014749	Hs.77724	1.00E-174	1	KIAA0586 gene product (KIAA0586), mRNA /cds=(
98C8	27	1961	NM_002543	Hs.77729	0	4	oxidised low density lipoprotein (lectin-like
598A12	101	1396	NM_006759			4	UDP-glucose pyrophosphorylase 2 (UGP2), mRNA
594H8	1	872	NM_006802				splicing factor 3a, subunit 3, 60kD (SF3A3), mR

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				пурги	dization	anaiys	515
171E4	1140	1394	X81789	Hs.77897	1.00E-110	1	for splicing factor SF3a60 /cds=(565,2070)
500F1	2185	2496	AK025736	Hs.77910		1	cDNA: FLJ22083 fis, clone HEP14459, highly sim
525B10	1696	2060	NM_000122	Hs.77929		1	excision repair cross-complementing rodent r
525B10 53E1	877	1539	AK026595	Hs.77961		7	FLJ22942 fis, clone KAT08170, highly sim
521C6	631	1089	NM_005514	Hs.77961		4	major histocompatibility complex, class I, B
588C3	300	653	NM_004792		0	1	Clk-associating RS-cyclophilin (CYP), mRNA
523C6	277	582	NM_001912			1	cathepsin L (CTSL), mRNA /cds=(288,1289) /gb=
140D10	292	1549	X12451	Hs.78056		3	pro-cathepsin L (major excreted protein MEP)
463E5	129	552	NM_005969	Hs.78103		1	nucleosome assembly protein 1-like 4 (NAP1L4)
166H3	540	895	U77456	Hs.78103		1	nucleosome assembly protein 2 mRNA, complete cds /cd
40B10	2433	2543	M28526	Hs.78146	5.00E-29	1	platelet endothelial cell adhesion molecule (PECAM-1
44455	1671	2029	NM_000442	Hs.78146	1.00E-162	1	platelet/endothelial cell adhesion molecule
114E5 513D11	28	1399	NM_000700	Hs.78225	,	5	annexin A1 (ANXA1), mRNA /cds=(74,1114) /gb=N
331B3	219	1370	X05908	Hs.78225	0	3	lipocortin /cds=(74,1114) /gb=X05908 /gi=34
56A12	1383	2379	X94232	Hs.78335	0	4	novel T-cell activation protein /cds=(14
465H1	386	904	NM 002812	Hs.78466	0	2	proteasome (prosome, macropain) 26S subunit,
108H7	2067	2486	L42572	Hs.78504	0	1	p87/89 gene, complete cds /cds=(92,2368) /gb=
187E9	729	1494	NM_006839	Hs.78504	0	2	inner membrane protein, mitochondrial (mitofi
102F2	672	2947	L14561	Hs.78546	0	2	plasma membrane calcium ATPase isoform 1 (ATP
591H12	42	1949	NM 004034	Hs.78637	0	3	annexin A7 (ANXA7), transcript variant 2, mRN
595H3	2775	3030	NM_003470		3.00E-96	1	ubiquitin specific protease 7 (herpes virus-as
62F5	2775	3838	Z72499	Hs.78683	0	2	herpesvirus associated ubiquitin-speci
46 G 4	2632		NM_003580	Hs.78687	0	1	neutral sphingomyelinase (N-SMase) activatio
513A11	342	1258	NM_002635	Hs.78713	0	10	solute carrier family 25 (mitochondrial carri
472A4	3018		NM_024298		1.00E-132	1	malignant cell expression-enhanced gene/tumo
177A3	377	1186	AL049589	Hs.78771	0	3	DNA sequence from clone 570L12 on chromosome Xq13.1-2
71E6	303	1767	NM 000291	Hs.78771	0	12	phosphoglycerate kinase 1 (PGK1), mRNA /cds=(
181D8	2104		NM_018834		0	4	matrin 3 (MATR3), mRNA /cds=(254,2800) /gb=NM
126G6	2498		AL162049	Hs.78829	0	1	mRNA; cDNA DKFZp762E1712 (from clone DKFZp762E
41C3	1743	2340	M31932	Hs.78864	0	2	lgG low affinity Fc fragment receptor (FcRIIa) mRNA, c
166D11	1696	2156	M81601	Hs.78869	0	1	transcription elongation factor (SII) mRNA, complete
517B3	565	1392	D42039	Hs.78871	0	3	mRNA for KIAA0081 gene, partial cds /cds=(0,702) /gb=
180G11	59	517	NM 020548	Hs.78888	0	1	diazepam binding inhibitor (GABA receptor mod
99B7	2356		U07802	Hs.78909		45	Tis11d gene, complete cds /cds=(291,1739) /gb=U07802
54C4	557	1101	U13045	Hs.78915	0	1	nuclear respiratory factor-2 subunit beta 1 mRNA, com
44A5	634	1128	U29607	Hs.78935	5 0	2	methionine aminopeptidase mRNA, complete cds /cds=(2
63A2	964	1050	X92106	Hs.78943	7.00E-31	1	bleomycin hydrolase /cds=(78,1445) /gb
163G9	228	877	L13463	Hs.78944		3	helix-loop-helix basic phosphoprotein (G0S8) mRNA,
119H6	472	877	NM_002923	3 Hs.78944	1 0	1	regulator of G-protein signalling 2, 24kD (RG
166E2	5629		U51903		3 2.00E-69	1	RasGAP-related protein (IQGAP2) mRNA, complete cds
40F9	66	603	M15796	Hs.78996	6 0	1	cyclin protein gene, complete cds /cds=(118,903) /gb
593E5	156	854	NM_01224	5 Hs.79008	3 0	5	SKI-INTERACTING PROTEIN (SNW1), mRNA /cds=(2

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				119 2011	uu.		
485B7	276	599	AF063591	Hs.79015	1.00E-136	1	brain my033 protein mRNA, complete cds /cds=(5
61B4	125	732	X05323	Hs.79015	0	2	MRC OX-2 gene signal sequence /cds=(0,824) /gb=X05323
71C8	330	1958	NM_005261	Hs.79022	0	24	GTP-binding protein overexpressed in skeletal
75G8	330	1957	U10550	Hs.79022	0	63	Gem GTPase (gem) mRNA, complete cds /cds=(213,1103) /
584G1	4424	5153	AF226044	Hs.79025	0	2	HSNFRK (HSNFRK) mRNA, complete cds /cds=(641,2
117C5	358	933	NM_012413	Hs.79033	0	1	glutaminyl-peptide cyclotransferase (glutam
72B2	910	2015	AJ250915	Hs.79037		9	p10 gene for chaperonin 10 (Hsp10 protein) and
71G11	880	1981	NM_002156	Hs.79037	0	5	heat shock 60kD protein 1 (chaperonin) (HSPD1)
193H12	1859	2474	NM_003243	Hs.79059	0	5	transforming growth factor, beta receptor III
460B4	846	1325	NM_001930	Hs.79064	0	1	deoxyhypusine synthase (DHPS), transcript va
75C4	1166	2087	K02276	Hs.79070	0	85	(Daudi) translocated t(8;14) c-myc oncogene mRNA, co
71G10	1274	2121	NM_002467	Hs.79070	0	12	v-myc avian myelocytomatosis viral oncogene h
183D8	385	741	NM_002710	Hs.79081	0	1	protein phosphatase 1, catalytic subunit, gam
170A12	741	1203	X74008	Hs.79081	0	1	protein phosphatase 1 gamma /cds=(154,11
121D9	2920	3385	NM_006378	Hs.79089	0	1	sema domain, immunoglobulin domain (lg), tran
40C12	2933		U60800	Hs.79089	0	4	semaphorin (CD100) mRNA, complete cds /cds=(87,2675)
104E1	1708	1932	L35263	Hs.79107	1.00E-101	1	CSaids binding protein (CSBP1) mRNA, complete cds /cd
70B2	913	2497	AK000221	Hs.79110	0	9	FLJ20214 fis, clone COLF2014, highly simi
123B12	1929		D42043	Hs.79123		3	mRNA for KIAA0084 gene, partial cds /cds=(0,1946) /gb
193G7	802	1425	NM_004379	Hs.79194	0	2	cAMP responsive element binding protein 1 (CR
75D5	158	2139	NM_004233		0	16	CD83 antigen (activated B lymphocytes, immuno
74H2	98	1357	NM_001154	Hs.79274	0	2	annexin A5 (ANXA5), mRNA /cds=(192,1154) /gb=
519G7	5358	5496	D86985	Hs.79276	2.00E-69	1	mRNA for KIAA0232 protein, partial cds /cds=(0,
462C2	1477		NM_003006	Hs.79283	0	1	selectin P ligand (SELPLG), mRNA /cds=(59,1267
65C6	23	1609	M15353	Hs.79306	0	6	cap-binding protein mRNA, complete cds /cds=(1
64H8	326	1610	NM_001968	Hs.79306	0	3	eukaryotic translation initiation factor 4E
52C3	1333		X64318	Hs.79334	0	1	E4BP4 gene /cds=(213,1601) /gb=X64318 /gi=30955
39F7	1179	1740	AF109733	Hs.79335	0	1	SWI/SNF-related, matrix-associated, actin-d
194A7		1803	NM_003076	Hs.79335	1.00E-118	3 1	SWI/SNF related, matrix associated, actin dep
463E12		4831	NM_015148		0	1	KIAA0135 protein (KIAA0135), mRNA /cds=(1803,
526B5	1420		NM_002958		0	2	RYK receptor-like tyrosine kinase (RYK), mRNA
460F3	1755		NM_006285	Hs.79358	0	2	testis-specific kinase 1 (TESK1), mRNA /cds=(
98B11		6 4834	X76061	Hs.79362	. 0	11	H.sapiens p130 mRNA for 130K protein /cds=(69,3488) /gb=X76
45F3	2286	2666	NM_001423	Hs.79368	0	1	epithelial membrane protein 1 (EMP1), mRNA /cd
50C10	2016		Y07909	Hs.79368	0	2	Progression Associated Protein /cds=(21
118E3	549	1078	NM_012198	Hs.79381	0	1	grancalcin (GCL), mRNA /cds=(119,772) /gb=NM_
181F4	657	1271	NM_002805	Hs.79387	0	2	proteasome (prosome, macropain) 26S subunit,
105H3	1114		D83018	Hs.79389	0	1	for nel-related protein 2, complete cds /
173B2	429	3009	NM_006159	Hs.79389	0	5	nel (chicken)-like 2 (NELL2), mRNA /cds=(96,25
177B3	662	991	AC004382	Hs.79402	2 0	1	Chromosome 16 BAC clone CIT987SK-A-152E5 /cds
590H3	663	1002	NM 002694	Hs.79402	2 0	1	polymerase (RNA) II (DNA directed) polypeptide
523B7	223		NM_002946			1	replication protein A2 (32kD) (RPA2), mRNA /c
182B10	472		U02019		5 1.00E-12	1 2	AU-rich element RNA-binding protein AUF1 mRNA, comple
479F3	100	301	NM_001783	3 Hs.79630	2.00E-86	1	CD79A antigen (immunoglobulin-associated al

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

•				пурги	uization	allaly	515
40H9	582	1107	U05259	Hs.79630	0	1	MB-1 gene, complete cds /cds=(36,716) /gb=U05259 /gi
116A2	1003	1368	NM_006224	Hs.79709	1.00E-176	1	phosphotidylinositol transfer protein (PITPN
74G8	252	1297	D21853	Hs.79768		5	KIAA0111 gene, complete cds /cds=(214,1449)
525G2	830	1297	NM_014740	Hs.79768		2	KIAA0111 gene product (KIAA0111), mRNA /cds=(
			_				A Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Comp
125G3	2757	3339	AF072928	Hs.79877		1	myotubularin related protein 6 mRNA, partial c
184A2	532	1102	AF135162	Hs.79933	0	1	cyclin I (CYC1) mRNA, complete cds /cds=(199,13
514C6	329	1256	NM_006835	Hs.79933	0	6	cyclin I (CCNI), mRNA /cds=(0,1133) /gb=NM_006
116G5	824	1058	NM_006875	Hs.80205		1	pim-2 oncogene (PIM2), mRNA /cds=(185,1189) /
106C11	1700	1995	U77735	Hs.80205	1.00E-125	1	pim-2 protooncogene homolog pim-2h mRNA, complete cd
110E3	276	653	AL136139	Hs.80261	0	1	DNA sequence from clone RP4-761I2 on chromosome 6 Con
478D1	1067	2761	NM 006403	Hs.80261	2.00E-70	2	enhancer of filamentation 1 (cas-like docking;
178C8	880	1226	AL050192	Hs.80285		1	mRNA; cDNA DKFZp586C1723 (from clone
17000	000	1220	, 12000102				DKFZp586C
494F11	477	5535	NM_014739	Hs.80338	0	8	KIAA0164 gene product (KIAA0164), mRNA /cds=(
190A1	1165	1540	NM_004156	Hs.80350	1.00E-166	2	protein phosphatase 2 (formerly 2A), catalytic
461A1	4639		NM_004653		1.00E-140	1	SMC (mouse) homolog, Y chromosome (SMCY), mRNA
158A8	2656	3229	L24498	Hs.80409	0	1	gadd45 gene, complete cds /cds=(2327,2824) /gb=L2449
41E6	2385	2992	U84487	Hs.80420	0	2	CX3C chemokine precursor, mRNA, alternatively splice
40H4	2830	3605	NM_000129	Hs.80424	0	1	coagulation factor XIII, A1 polypeptide (F13A
464D3	214	835	NM 004899			2	brain and reproductive organ-expressed (TNFR
75H8	1180		U12767	Hs.80561		60	mitogen induced nuclear orphan receptor (MINOR) mRNA
593E10	1	510	NM 004552	Hs.80595	1.00E-158	5	NADH dehydrogenase (ubiquinone) Fe-S protein
113C5	1182		NM_003336			1	ubiquitin-conjugating enzyme E2A (RAD6 homol
515B7	268	538	NM 001020		2.00E-91	3	ribosomal protein S16 (RPS16), mRNA /cds=(37,4
477F12	460	606	NM_018996		1.00E-47	1	hypothetical protein (FLJ20015), mRNA /cds=(
	1331		L78440	Hs.80642		1	STAT4 mRNA, complete cds /cds=(81,2327) /gb=L
41A8 594C1	1594		NM_003151			4	signal transducer and activator of transcripti
	1802		NM 002198		2.00E-35	1	interferon regulatory factor 1 (IRF1), mRNA /
112C8			NM_003355				uncoupling protein 2 (mitochondrial, proton c
522H8	1130		_			4	high-mobility group (nonhistone chromosomal)
123E4	259		NM_002129	Hs.80684		1	HMG-2 mRNA /cds=(214,843) /gb=X62534 /gi=32332
109H1	263	754	X62534	115.00004		'	
149G9	1020	1607	J05032	Hs.80758	0	2	aspartyl-tRNA synthetase alpha-2 subunit mRNA, compl
461F12	1702	2246	AL031600	Hs.80768	0	1	DNA sequence from clone 390E6 on chromosome 16. Contai
102B2	1486	2008	M16038	Hs.80887	0	1	lyn mRNA encoding a tyrosine kinase /cds=(297,1835) /
125B11	1260	2013	NM_002350	Hs.80887	0	5	v-yes-1 Yamaguchi sarcoma viral related oncog
37C9	2901	5260	D79990	Hs.80905	0	8	KIAA0168 gene, complete cds /cds=(196,1176)
196D6	2949		NM_014737	•		9	Ras association (RaIGDS/AF-6) domain family 2
584H1	4072		NM_002693		3.00E-91	1	polymerase (DNA directed), gamma (POLG), nucl
584F9	31	568	AF174605	Hs.81001		5	F-box protein Fbx25 (FBX25) mRNA, partial cds
102D11		7 1632	J03459	Hs.81118		1	leukotriene A-4 hydrolase mRNA, complete cds /cds=(68
193F8	1037	7 1643	NM 000895	Hs.81118	0	2	leukotriene A4 hydrolase (LTA4H), mRNA /cds=(
118H7	354	1148	U65590	Hs.81134		5	IL-1 receptor antagonist IL-1Ra (IL-1RN) gene

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				Hybin	112atioi1	ununy	,10
41H1	2549	2936	X60992	Hs.81226	0	1	CD6 mRNA for T cell glycoprotein CD6 /cds=(120,152
171B9	2070	2479	AF248648	Hs.81248	0	1	RNA-binding protein BRUNOL2 (BRUNOL2) mRNA, c
590A6	291	512	NM_002961	Hs.81256	3.00E-66	1	S100 calcium-binding protein A4 (calcium prot
			M69043		0	14	MAD-3 mRNA encoding lkB-like activity, complet
73H2	389	1481			-	13	nuclear factor of kappa light polypeptide gene
513G1	637	1481	NM_020529	Hs.81328			heterogeneous nuclear ribonucleoprotein A/B
488F2	1065	1417	NM_004499		1.00E-180	4	
151C8	1260	1423	U76713	Hs.81361	1.00E-61	1	apobec-1 binding protein 1 mRNA, complete cds /cds=(15
593B9	41	954	NM_001688	Hs.81634	0	3	ATP synthase, H+ transporting, mitochondrial
104H12	352	912	X60221	Hs.81634	0	1	H+-ATP synthase subunit b /cds=(32,802)
141G8	1132	1642	AK001883	Hs.81648	0	1	FLJ11021 fis, clone PLACE1003704, weakly
		4395	X06182	Hs.81665		1	c-kit proto-oncogene mRNA /cds=(21,2951)
41A1	4214	4333					/gb=X06182
102F5	3037	3646	D38551	Hs.81848	0	1	KIAA0078 gene, complete cds /cds=(184,2079)
111E11	1375	1752	NM_006265	Hs.81848	0	1	RAD21 (S. pombe) homolog (RAD21), mRNA /cds=(1
592F8	38	720	NM_014736	Hs.81892	0	1	KIAA0101 gene product (KIAA0101), mRNA /cds=(
194F1	6886	7115	AF241785	Hs.81897	1.00E-117	1	NPD012 (NPD012) mRNA, complete cds /cds=(552,2
E0506	1	615	NM_005563	Hs.81915	n	4	leukemia-associated phosphoprotein p18 (sta
525C6	-		_		1.00E-143	1	KIAA0079 gene, complete cds /cds=(114,3491)
101D12	3249	3508	D38555				SEC24 (S. cerevisiae) related gene family, mem
176D11	2996	3168	NM_004922			2	for TGF-betallR alpha, complete cds /cds=
129B7	5068	5759	D50683	Hs.82028		4	
195H6	946	1208	NM_006023	Hs.82043	6.00E-74	1	D123 gene product (D123), mRNA /cds=(280,1290)
481D9	2709	3085	NM_002184	Hs.82065	1.00E-134	1	interleukin 6 signal transducer (gp130, oncos
129A5	1338	1802	M14083	Hs.82085	0	1	beta-migrating plasminogen activator inhibitor I mR
57G9	500	1561	AF220656	Hs.82101	1.00E-145	3	apoptosis-associated nuclear protein PHLDA1
40C11	3748		M27492	Hs.82112	0	1	interleukin 1 receptor mRNA, complete cds /cds=(82,17
404 DG	3164	3609	NM_000877	Hs.82112	0	1	interleukin 1 receptor, type I (IL1R1), mRNA /
481B6			AB049113	Hs.82113		1	DUT mRNA for dUTP pyrophosphatase, complete cd
40H6	161	557					dUTP pyrophosphatase (DUT), mRNA /cds=(29,523
592B7	184	568	NM_001948		1.00E-111		
114F1	465	720	U70451	Hs.82116	1.00E-135	1	myleoid differentiation primary response protein My
71H5	194	3415	NM_006186	Hs.82120	0	36	nuclear receptor subfamily 4, group A, member
75C1	1264	3422	X75918	Hs.82120	0	84	NOT /cds=(317,2113) /gb=X75918 /gi=4158
40D1	1621		M90391	Hs.82127	0	1	putative IL-16 protein precursor, mRNA, comple
71C4	678	5065	NM_002460			88	interferon regulatory factor 4 (IRF4), mRNA /
	3219		U52682	Hs.82132		27	lymphocyte specific interferon regulatory factor/in
75G12					1.00E-178		E74-like factor 2 (ets domain transcription fa
193G6	1118		NM_006874			1	FLJ21990 fis, clone HEP06386 /cds=(22,49
147F6	1484		AK025643	Hs.82148			prosomal protein P30-33K (pros-30) mRNA, complete
155 E 4	853	1264	M64992	Hs.82159	O	1	cd
595F1	30	614	NM_002786	Hs.82159	0	3	proteasome (prosome, macropain) subunit, alp
58A4	473	1715	NM_005655	Hs.82173	0	3	TGFB inducible early growth response (TIEG), m
67E6	784	2109	S81439	Hs.82173		7	EGR alpha=early growth response gene alpha [human, prostate
593H2	132	722	NM 000985	Hs.82202	0	2	ribosomal protein L17 (RPL17), mRNA /cds=(138,
	283	1442	M37033	Hs.82212		12	CD53 glycoprotein mRNA, complete cds
40H5							/cds=(93,752) / CD53 antigen (CD53), mRNA /cds=(93,752) /gb=N
592C4	1	1442	NM_000560	Hs.82212	U	11	CDDS antigen (CDDS), mixing /cd5=(35,752) /gb=14

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				пуын	uization	anaiyo	
460D4	1519	1845	NM 002510	Hs.82226	1.00E-160	1	glycoprotein (transmembrane) nmb (GPNMB), mR
61A8	507	736	AF045229			1	regulator of G protein signaling 10 mRNA, compl
45F7	418	651	NM_002925	Hs.82280	1.00E-119	1	regulator of G-protein signalling 10 (RGS10),
49C2	416	1323	NM 006417	Hs.82316		7	interferon-induced, hepatitis C-associated
41C11	847	1716	X63717	Hs.82359		2	APO-1 cell surface antigen /cds=(220,122
71H4	15	1627	NM_001781	Hs.82401		21	CD69 antigen (p60, early T-cell activation ant
75B10	9	1627	Z22576		0	33	CD69 gene /cds=(81,680) /gb=Z22576 /gi=397938 /
73010	9	1027	222510	113.02-101	•	00	obec generality (express)
117B7	1441	1515	NM_022059	Hs.82407	7.00E-28	1	CXC chemokine ligand 16 (CXCL16), mRNA /cds=(4
110D6	1219	1721	AF006088	Hs.82425	0	1	Arp2/3 protein complex subunit p16-Arc (ARC16)
598F10	39	1497	NM_005717			5	actin related protein 2/3 complex, subunit 5 (
99A9	621	1214	D26018	Hs.82502		1	mRNA for KIAA0039 gene, partial cds /cds=(0,1475)
55/15	02.						/gb
183F6	222	2235	NM_001637	Hs.82542	0	2	acyloxyacyl hydrolase (neutrophil) (AOAH), m
459G4	5196	5801	NM_003682	Hs.82548	0	1	MAP-kinase activating death domain (MADD), mR
75A6	301	2231	D85429	Hs.82646	0	44	heat shock protein 40, complete cds /c
64A5	300	2008	NM_006145	Hs.82646	0	17	heat shock 40kD protein 1 (HSPF1), mRNA /cds=(4
50E5	628	2399	AK025459	Hs.82689	0	2	FLJ21806 fis, clone HEP00829, highly sim
115C6	23	589	NM_005087			1	fragile X mental retardation, autosomal homol
105H10	1017	1429	M61199	Hs.82767		1	cleavage signal 1 protein mRNA, complete cds /cds=(97,
461A11	204	748	NM_006296	Hs.82771	0	1	vaccinia related kinase 2 (VRK2), mRNA /cds=(1
39B4	1049	1203	M25393	Hs.82829		1	protein tyrosine phosphatase (PTPase) mRNA, complete
590F5	123	436	NM_002828	Hs.82829	1.00E-178	1	protein tyrosine phosphatase, non-receptor t
517F10	1038	2618	AK025583	Hs.82845		9	cDNA: FLJ21930 fis, clone HEP04301, highly sim
40B7	972	1933	M25280	Hs.82848		6	lymph node homing receptor mRNA, complete cds
4007	J12	1000	MEGEGG		_		/cds=(11
515B1	1	2322	NM_000655	Hs.82848	0	12	selectin L (lymphocyte adhesion molecule 1) (
587A10	190	685	NM_001344			1	defender against cell death 1 (DAD1), mRNA /cd
113G9	1	2812	AF208850	Hs.82911		7	BM-008 mRNA, complete cds /cds=(341,844) /gb=
127H6	1828	2501	NM 003591			2	cullin 2 (CUL2), mRNA /cds=(146,2383) /gb=NM_0
477E3	931	1777	NM 006416			2	solute carrier family 35 (CMP-sialic acid tran
184D2	1355	1773	AL049795		1.00E-164		DNA sequence from clone RP4-622L5 on
10402	1000	1170	7.20.00.00				chromosome 1p34.
41F10	507	774	D49950	Hs.83077	1.00E-150	1	for interferon-gamma inducing factor(IGI
482E7	499	774	NM 001562	Hs.83077	5.00E-97	1	interleukin 18 (interferon-gamma-inducing f
515C6	111	1162	L38935	Hs.83086	1.00E-107	2	GT212 mRNA /cds=UNKNOWN /gb=L38935 /gi=100884
479D3	1775	2028	NM 001760	Hs.83173	1.00E-122	1	cyclin D3 (CCND3), mRNA /cds=(165,1043) /gb=N
583H12	945	1655	NM_012151			9	coagulation factor VIII-associated (intronic
47B3	2140		M58603	Hs.83428	0	13	nuclear factor kappa-B DNA binding subunit (NF-kappa-
58G1	2538	3625	NM_003998	Hs.83428	0	4	nuclear factor of kappa light polypeptide gene
477C6	1628		Z49995	Hs.83465		1	H.sapiens mRNA (non-coding; clone h2A) /cds=UNKNOWN /gb=Z4
587D10	1576	1900	AF064839	Hs.83530	0	2	map 3p21; 3.15 cR from WI-9324 region, complete
516B9	1662		X59405	Hs.83532		4	H.sapiens, gene for Membrane cofactor protein /cds=UNKNOWN
459A5	120	298	NM 017459	Hs.83551	7.00E-42	1	microfibrillar-associated protein 2 (MFAP2),
591A12	321	1116	NM_005731			17	actin related protein 2/3 complex, subunit 2 (
102C1	554	1127	AK025198	Hs.83623		1	FLJ21545 fis, clone COL06195 /cds=UNKNOW
458C8	1022		NM_001619			1	adrenergic, beta, receptor kinase 1 (ADRBK1),
107G1	303	1008	L20688	Hs.83656		4	GDP-dissociation inhibitor protein (Ly-GDI) mRNA, c
597F8	293	1180	NM_001175			55	Rho GDP dissociation inhibitor (GDI) beta (AR
			_				

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				•		-	
591G5	1	216	NM_003142	Hs.83715	1.00E-108	3	Sjogren syndrome antigen B (autoantigen La) (
184H9	240	392	X69804	Hs.83715	4.00E-77	2	for La/SS-B protein /cds=UNKNOWN /gb=X69804
193C10	1	1605	BC000957	Hs.83724	1.00E-154	4	Similar to hypothetical protein MNCb-2146, c
40A2	1101	1294	U90904	Hs.83724	1.00E-72	1	clone 23773 mRNA sequence /cds=UNKNOWN /gb=U90904 /g
57H2	191	422	NM_001827	Hs.83758	1.00E-126	1	CDC28 protein kinase 2 (CKS2), mRNA /cds=(95,33
60E10	191	422	X54942	Hs.83758	1.00E-129	1	ckshs2 mRNA for Cks1 protein homologue /cds=(95,3
164F5	1896	2293	NM_016325	Hs.83761	0	1	zinc finger protein 274 (ZNF274), mRNA /cds=(4
463E6	555	1128	NM_000791	Hs.83765	0	1	dihydrofolate reductase (DHFR), mRNA /cds=(47
194F8	1806	2223	NM_002199	Hs.83795	1.00E-161	1	interferon regulatory factor 2 (IRF2), mRNA /
520D11	180	1229	NM_000365	Hs.83848	0	5	triosephosphate isomerase 1 (TPI1), mRNA /cds
168B6	530	891	U47924	Hs.83848	0	1	chromosome 12p13 sequence /cds=(373,1122) /gb=U4792
331E11	2591	3485	NM_000480	Hs.83918	0	8	adenosine monophosphate deaminase (isoform E
458A11	125	409	NM_000396	Hs.83942	1.00E-108	1	cathepsin K (pycnodysostosis) (CTSK), mRNA /
185H2	2501	2690	NM_000195	Hs.83951	3.00E-85	1	Hermansky-Pudlak syndrome (HPS), mRNA /cds=(2
99D2	977	1191	NM_019006	Hs.83954	1.00E-97	1	protein associated with PRK1 (AWP1), mRNA /cds
167D5	2275	2755	NM_000211	Hs.83968	0	4	integrin, beta 2 (antigen CD18 (p95), lymphocyt
524B2	262	575	BF028896		1.00E-155	1	601765270F1 cDNA, 5' end /clone=IMAGE:3997576
523B2	688	1065	NM_015937	Hs.84038	0	1	CGI-06 protein (LOC51604), mRNA /cds=(6,1730)
102F1	951	1416	M63180	Hs.84131		1	threonyl-tRNA synthetase mRNA, complete cds /cds=(13
589D5	863	1700	NM_006400	Hs.84153	0	3	dynactin 2 (p50) (DCTN2), mRNA /cds=(136,1356)
108F6	448	704	U70439		1.00E-117	1	silver-stainable protein SSP29 mRNA, complete cds /
146D6	1022	1253	K01144	Hs.84298	6.00E-95	2	major histocompatibility class II antigen gamma chain
188B10	823	1302	NM_004355	Hs.84298	0	1	CD74 antigen (invariant polypeptide of major
175D2			M63488		1.00E-158		replication protein A 70kDa subunit mRNA complete cds
115F4	2305	2393	NM_002945	Hs.84318	2.00E-43	1	replication protein A1 (70kD) (RPA1), mRNA /cd
595H4			NM_004239		1.00E-131	1	thyroid hormone receptor interactor 11 (TRIP1
106F1	493	1371	NM_017491			3	WD repeat domain 1 (WDR1), transcript variant 1
40C10		880	X57025	Hs.85112		1	IGF-I mRNA for insulin-like growth factor I /cds=(166,
44C5	2247	2430	AF017257	Hs.85146	5.00E-89	1	chromosome 21 derived BAC containing erythrobl
45D4	1962		X79067	Hs.85155		6	H.sapiens ERF-1 mRNA 3' end /cds=UNKNOWN /gb=X79067 /gi=483
591B9	2378	2603	NM_002880	Hs.85181	1.00E-109	1	v-raf-1 murine leukemia viral oncogene homolo
39E2	67	2493	X76488	Hs.85226		3	lysosomal acid lipase /cds=(145,1344) /
62H12			M12824	Hs.85258		3	T-cell differentiation antigen Leu-2/T8 mRNA, partia
40C8	4505	4856	X53587	Hs.85266	0	1	integrin beta 4 /cds=UNKNOWN /gb=X53587 /gi=
40E11			S53911	Hs.85289		1	CD34=glycoprotein expressed in lymphohematopoietic
		227	D0004040	11- 05004	•	2	proge clone MGC:2392, mRNA, complete cds /cds=(964,
135A2		695	BC001646	Hs.85301	0 2.00E-90	2 1	cDNA: FLJ23414 fis, clone HEP20704 /cds=(37,10
459H4		244	AK027067			-	mRNA for KIAA1541 protein, partial cds /cds=(9
479A4			AB040974	Hs.85752 Hs.85769	1.00E-171	1 1	DNA sequence from clone RP4-561L24 on
146C3	1610	2062	AL049796				chromosome 1p22
463H1	1 871	1153	NM_006546	Hs.86088	5.00E-83	1	IGF-II mRNA-binding protein 1 (IMP-1), mRNA /
480A1		165	NM_004876			1	zinc finger protein 254 (ZNF254), mRNA /cds=(1
192 F 7	2854	3462	AF198614	Hs.86386	0	3	McI-1 (MCL-1) and McI-1 delta S/TM (MCL-1) gene

459G3	12	577	AL049340	Hs.86405	0	1	mRNA; cDNA DKFZp564P056 (from clone DKFZp564P0
460E4	2361	2787	NM_000161	Hs.86724	0	2	GTP cyclohydrolase 1 (dopa-responsive dystoni
62F9	834	1282	M60724		0	1	p70 ribosomal S6 kinase alpha-I mRNA, complete cds /cd
187E7	84	766	NM_001695	Hs.86905	0	1	ATPase, H+ transporting, lysosomal (vacuolar
159D4	315	559	J03798	Hs.86948	1.00E-113	1	autoantigen small nuclear ribonucleoprotein Sm-D mR
459F9	1557	1619	NM_006938	Hs.86948	2.00E-25	1	small nuclear ribonucleoprotein D1 polypeptid
480G11	87	603	BG168139	Hs.87113	0	1	602341526F1 cDNA, 5' end /clone=IMAGE:4449343
					4 005 00	4	platelet glycoprotein IIIa (GPIIIa) mRNA, complete c
41D6	2208	2320	M35999	Hs.87149	4.00E-39	1	harakiri, BCL2-interacting protein (contains
462H11	387	648	NM_003806	Hs.87247	1.00E-133	1	thrombospondin 1 (THBS1), mRNA /cds=(111,3623
99D7	614	5517	NM_003246	Hs.87409	U	62	thombospondin i (Tribo), find vocas (Tri, 5025
39B8	2130	5517	X14787	Hs.87409	n	33	thrombospondin /cds=(111,3623) /gb=X14787
525A2	329	560	NM_007047		1.00E-129		butyrophilin, subfamily 3, member A2 (BTN3A2)
	3303		D63876		1.00E-155		mRNA for KIAA0154 gene, partial cds /cds=(0,2080)
583F2	3303	3022	D03070	113.07720	1.002 100	•	/gb
184D7	2211	2556	M34181	Hs.87773	1.00E-165	1	testis-specific cAMP-dependent protein kinase catal
460A4	499	1074	AL117637	Hs.87794	0	1	mRNA; cDNA DKFZp434l225 (from clone
							DKFZp434I2
459G2	258	452	AW967701	Hs.87912	8.00E-88	1	EST379776 cDNA /gb=AW967701 /gi=8157540 /ug=
	4000	0007	41/000000	Hs.88044	0	9	FLJ23307 fis, clone HEP11549, highly sim
74H7	1660		AK026960	Hs.88130	1.00E-118		qd60a05.x1 cDNA, 3' end /clone=IMAGE:1733840
463D12	351	568	AI184553			1	zinc finger protein 200 (ZNF200), mRNA /cds=(2
595B1	309	986	NM_003454			1	arylsulfatase A (ARSA), mRNA /cds=(375,1898)
458D3	1018		NM_000487	Hs.88414		1	mRNA for putative transcription factor (BACH2
462F4	4272		AJ271878			3	male-specific lethal-3 (Drosophila)-like 1
460B12	1267		NM_006800 AL161659	Hs.88820		1	DNA sequence from clone RP11-526K24 on
461A4	2039	2421	AL101039	115.00020	Ū	•	chromosome 20
460F9	3413	3654	NM_000397	Hs.88974	1.00E-133	1	cytochrome b-245, beta polypeptide (chronic g
459G9	790	1160	NM_006228		1.00E-145	1	prepronociceptin (PNOC), mRNA /cds=(211,741)
70H12	1	661	AV716500	Hs.89104	0	274	AV716500 cDNA, 5' end /clone=DCBAKA08 /clone_
469H5	1620	2142	AB040961	Hs.89135	0	1	mRNA for KIAA1528 protein, partial cds /cds=(4
175G6	2069	2501	D83243	Hs.89385	0	1	NPAT mRNA, complete cds /cds=(66,4349)
					4 005 400		/gb=D83243 /g
592B10	3703		NM_002519		1.00E-130		nuclear protein, ataxia-telangiectasia locu ATP synthase, H+ transporting, mitochondrial
120B7	337	630	NM_005176				chemokine receptor CXCR4-Lo (CXCR4) mRNA, alt
39D2	370	1892	AF147204	Hs.89414		68	chemokine (C-X-C motif), receptor 4 (fusin) (C
99H4	7	1625	NM_003467			137	recepin mRNA, complete cds /cds=(32,1387)
106D2	2	266	U03644	Hs.89421	1.00E-143	3 1	/gb=U03644
41F5	1203	3 1522	M16336	Hs.89476	1.00E-170) 1	T-cell surface antigen CD2 (T11) mRNA, complete
4113	1200	1022	11110000	110.00 110			cds, c
463A3	876	1025	NM_000698	Hs.89499	1.00E-79	1	arachidonate 5-lipoxygenase (ALOX5), mRNA /c
47D12	1198	3 4887	AB028969	Hs.89519	0	2	for KIAA1046 protein, complete cds /cds=(
498G2	4420		NM 014928	Hs.89519	0	2	KIAA1046 protein (KIAA1046), mRNA /cds=(577,1
589G3	598	689	NM_002796		4.00E-45	2	proteasome (prosome, macropain) subunit, bet
331B1	699	788	S71381	Hs.89545	1.00E-41	1	prosome beta-subunit=multicatalytic proteinase
							complex
110A2	1403	3 1739	AK026432		1.00E-177		FLJ22779 fis, clone KAIA1741 /cds=(234,1
118E4	780	1672	NM_002110) Hs.89555	0	5	hemopoietic cell kinase (HCK), mRNA /cds=(168,

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				,			· ·
41B8	570	1166	M89957	Hs.89575	0	1	immunoglobulin superfamily member B cell receptor co
44A11	2567	2808	L20814	Hs.89582	1.00E-115	1	glutamate receptor 2 (HBGR2) mRNA, complete cds /cds=(
191G11	309	596	NM 006284	Hs.89657	1.00E-162	11	TATA box binding protein (TBP)-associated fac
72G5	1172	1575	AX023367		0	38	Sequence 38 from Patent WO0006605
72G3 71B12	40	559	NM_000586	Hs.89679	-	13	interleukin 2 (IL2), mRNA /cds=(47,517) /gb=N
	158	737	M36821	Hs.89690		1	cytokine (GRO-gamma) mRNA, complete cds
179G12		1146	NM_002994	Hs.89714		17	small inducible cytokine subfamily B (Cys-X-Cy
193B5	680	1146	X78686	Hs.89714		7	ENA-78 mRNA /cds=(106,450) /gb=X78686 /gi=47124
182G10	681	1140	X10000	113.037 14	· ·	•	2.00.10
191C6	617	1597	NM_021950	Hs.89751	0	2	membrane-spanning 4-domains, subfamily A, m
40H3	1347	1597	X07203	Hs.89751	3.00E-71	1	CD20 receptor (S7) /cds=(90,983) /gb=X07203
458H2	3524	4331	NM_002024		0	2	fragile X mental retardation 1 (FMR1), mRNA /c
40F6	1665	2210	D38081	Hs.89887	0	1	thromboxane A2 receptor, complete cds /cds=(9
473E1	578	956	AL515381		1.00E-172	1	AL515381 cDNA /clone=CL0BB017ZH06-(3-prime)
126A12	770	982	AL558028		1.00E-102	1	AL558028 cDNA /clone=CS0DJ002YF02-(5-prime)
183E12	2203	2814	NM_001316	Hs.90073		1	chromosome segregation 1 (yeast homolog)-like
	1602	1811	AK026766		1.00E-113	2	FLJ23113 fis, clone LNG07875, highly sim
145H12		2610	AB023420	Hs.90093		2	for heat shock protein apg-2, complete cds
62C2	1472		D26488	Hs.90315		1	mRNA for KIAA0007 gene, partial cds /cds=(0,2062)
46H6	3172	3411	D20400	115.50515	0.002-00	•	/gb
116E2	1637	2016	AK025800	Hs.90421	1.00E-118	1	cDNA: FLJ22147 fis, clone HEP22163, highly sim
525H3	6	1231	NM_004261	Hs.90606	0	2	15 kDa selenoprotein (SEP15), mRNA /cds=(4,492
184D8	287	387	BE888304	Hs.90654	1.00E-46	2	601514033F1 cDNA, 5' end /clone=IMAGE:3915177
10400	201	307	DEGGGGG 1	110.0000		_	
99D4	1948	4309	D50918	Hs.90998	0	5	mRNA for KIAA0128 gene, partial cds /cds=(0,1276) /gb
72B9	571	1312	AK026954	Hs.91065	0	1	FLJ23301 fis, clone HEP11120 /cds=(2,188
586H8	189	478	NM_000987	Hs.91379	2.00E-83	1	ribosomal protein L26 (RPL26), mRNA /cds=(6,44
160A12	1	132	X69392	Hs.91379	4.00E-69	5	ribosomal protein L26 /cds=(6,443) /gb=
331H4	1632	2166	AK027210	Hs.91448	0	1	FLJ23557 fis, clone LNG09686, highly sim
473E6	915	1390	NM_004556	Hs.91640	0	2	nuclear factor of kappa light polypeptide gene
69E4	673	1328	AB007956	Hs.92381	1.00E-122	2	mRNA, chromosome 1 specific transcript KIAA04
182F10	117	781	AF070523	Hs.92384	0	1	JWA protein mRNA, complete cds /cds=(115,681)
585F10	77	1890	NM_006407	Hs.92384	0	13	vitamin A responsive; cytoskeleton related (J
469G3	2061	2293	AK025683		1.00E-110	1	cDNA: FLJ22030 fis, clone HEP08669 /cds=UNKNOW
472H4	247	671	AW978555	Hs.92448	0	1	EST390664 cDNA /gb=AW978555 /gi=8169822 /ug=
193F11	2051	4721	NM_003103	Hs.92909	0	3	SON DNA binding protein (SON), mRNA /cds=(414,4
				11- 00040	^	1	FLJ11197 fis, clone PLACE1007690 /cds=(37
37E7	1287		AK002059	Hs.92918			hypothetical protein (BM-009), mRNA /cds=(385
111D7	244	596	NM_016623				LDL-phospholipase A2 mRNA, complete cds
41B10	1216	1530	U24577	HS.93304	1.00E-173		/cds=(216,15
48B4	76	723	NM_001417	Hs.93379	0	5	eukaryotic translation initiation factor 4B
39F8	76	876	X55733	Hs.93379	0	1	initiation factor 4B cDNA /cds=(0,1835) /gb=X557
471B10	660	886	NM_007020	Hs.93502	1.00E-125	1	U1-snRNP binding protein homolog (70kD) (U1SN
467A3	1189	1284	X91348	Hs.93522	3.00E-36	1	H.sapiens predicted non coding cDNA (DGCR5) /cds=UNKNOWN /
461B5	652	874	NM_003367	' Hs.93649	1.00E-104	1	upstream transcription factor 2, c-fos intera
62B8	1386		J05016	Hs.93659			(clone pA3) protein disulfide isomerase related prote
			-				
461E7	1931	2086	NM_004911	Hs.93659	1.00E-65	1	protein disulfide isomerase related protein (
458G11	2423	3161	AB040959	Hs.93836		1	mRNA for KIAA1526 protein, partial cds /cds=(0
104E3	516	981	AK000967	Hs.93872	0	1	FLJ10105 fis, clone HEMBA1002542 /cds=UN

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

41B6	87	846	X04430	Hs.93913	0	2	IFN-beta 2a mRNA for interferon-beta-2 /cds=(86,724)
179H7	1610	1682	AF009746	Hs.94395	9.00E-34	1	peroxisomal membrane protein 69 (PMP69) mRNA,
470G3	74	493	NM 007221		0	1	polyamine-modulated factor 1 (PMF1), mRNA /c
472A5	2325	2429	AK022267	Hs.94576	2.00E-48	1	cDNA FLJ12205 fis, clone MAMMA1000931 /cds=UNK
459C9	5356	6120	NM 006421	Hs.94631	0	3	brefeldin A-inhibited guanine nucleotide-exc
465F8	3580	4049	NM_015125	Hs.94970	0	1	KIAA0306 protein (KIAA0306), mRNA /cds=(0,436
57B9	4145	4379	NM_005109		1.00E-126	1	oxidative-stress responsive 1 (OSR1), mRNA /c
160D6	30	480	X01451	Hs.95327	0	2	gene for 20K T3 glycoprotein (T3-delta-chain) of T-c
512G1	1	415	BF107010	Hs.95388	1.00E-175	2	601824367F1 cDNA, 5' end /clone=IMAGE:4043920
593E11	24	273	BG291649	Hs.95835	1.00E-79	10	602385778F1 cDNA, 5' end /clone=IMAGE:4514827
41H2	1011	1306	M28170	Hs.96023	1.00E-114	1	cell surface protein CD19 (CD19) gene, complete cds /c
149G8	213	435	BF222826	Hs.96487	1.00E-119	2	7q23f06.x1 /clone=IMAGE /gb=BF222826 /g
101G7	2266	3173	AL133227	Hs.96560	0	2	DNA sequence from clone RP11-394O2 on chromosome 20 C
103E6	2840	3451	BC000143	Hs.96560	0	1	Similar to hypothetical protein FLJ11656, cl
107G5	226	2349	BF673956	Hs.96566	7.00E-24	1	602137338F1 cDNA, 5' end /clone=IMAGE:4274048
461A12	3602	4135	AB014555	Hs.96731	0	2	mRNA for KIAA0655 protein, partial cds /cds=(0
595A8	82	1571	NM_000734	Hs.97087	1.00E-147	10	CD3Z antigen, zeta polypeptide (TiT3 complex)
479H8	883	1378	NM_014373	Hs.97101	0	3	putative G protein-coupled receptor (GPCR150)
466D12	2001	5732	NM_012072	Hs.97199	0	2	complement component C1q receptor (C1QR), mRN
194B3	1835	2898	NM_002990	Hs.97203	0	2	small inducible cytokine subfamily A (Cys-Cys)
109E9	2880		AF083322	Hs.97437	0	1	centriole associated protein CEP110 mRNA, com
459H5	9	230	BF438062	Hs.97896	1.00E-116	1	7q66e08.x1 cDNA /clone=IMAGE /gb=BF438062 /g
473A4	871	1327	NM_007015	Hs.97932	0	1	chondromodulin I precursor (CHM-I), mRNA /cds
466E9	1408	1808	AL442083	Hs.98026	1.00E-172	2	mRNA; cDNA DKFZp547D144 (from clone DKFZp547D1
460E3	1290	1687	AF038564	Hs.98074	0	1	atrophin-1 interacting protein 4 (AIP4) mRNA,
462E6	103	642	NM_016440	Hs.98289	0	1	VRK3 for vaccinia related kinase 3 (LOC51231),
460B8	114	546	AA418743	Hs.98306	1.00E-178	1	zv98f06.s1 cDNA, 3' end /clone=IMAGE:767843 /
124A8	1	157	NM_019044	Hs.98324	2.00E-69	1	hypothetical protein (FLJ10996), mRNA /cds=(
71B10	79	520	AI761058	Hs.98531	1.00E-112	34	wi69b03.x1 cDNA, 3' end /clone=IMAGE:2398541
49F1	36	435	AA913840	Hs.98903	0	1	ol39d11.s1 cDNA, 3' end /clone=IMAGE:1525845
462F6	61	201	AC006276	Hs.99093	2.00E-74	1	chromosome 19, cosmid R28379 /cds=(0,633) /gb
473A2	47	475	BE326857	Hs.99237	0	1	hr65h06.x1 cDNA, 3' end /clone=IMAGE:3133403
599D8	1468	1748	NM_005825			1	RAS guanyl releasing protein 2 (calcium and DA
459F8	300	541	AW444899	Hs.99665	1.00E-123	1	UI-H-BI3-ajz-d-07-0-UI.s1 cDNA, 3' end /clon
163H9	8	141	AL049319	Hs.99821	2.00E-58	1	cDNA DKFZp564C046 (from clone DKFZp564C0
165H8	1176	1930	NM_015400	Hs.99843	0	2	DKFZP586N0721 protein (DKFZP586N0721), mRNA
188C9	543	998	NM_001436	Hs.99853	0	2	fibrillarin (FBL), mRNA /cds=(59,1024) /gb=N
37H2	759	2017	AC018755	Hs.99855	0	4	chromosome 19, BAC BC330783 (CIT-HSPC_470E3),
127H3	758	2183	NM_001462	Hs.99855	0	5	formyl peptide receptor-like 1 (FPRL1), mRNA
62F2	1	642	BF315159	Hs.99858	0	6	601899519F1 cDNA, 5' end /clone=IMAGE:4128749
599A7	26	838	NM_000972	. Hs.99858	3 0	11	ribosomal protein L7a (RPL7A), mRNA /cds=(31,8
167B3	1994		AB032251		2 2.00E-37	1	BPTF mRNA for bromodomain PHD finger transcript

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

						-	
41G8	461	751	L08096	Hs.99899	1.00E-161	1	CD27 ligand mRNA, complete cds /cds=(150,731) /gb=L08
479C10	327	738	NM 001252	Hs.99899	0	1	tumor necrosis factor (ligand) superfamily, m
36D8	1180	2315	AL162047	Hs.99908		7	cDNA DKFZp762E1112 (from clone DKFZp762E
593E2	62	435		Hs.99914		1	ribosomal protein L22 (RPL22), mRNA /cds=(51,4
			NM 000023		1.00E-112		sarcoglycan, alpha (50kD dystrophin-associat
478C8	48	311	_		1.00E-112 1.00E-126		TLS=translocated in liposarcoma [human, mRNA,
61A1	827	1053	S62140	Hs.99969	1.00E-126		1824 nt] /cd
40C7	971	1724	X69819	Hs.99995	0	1	ICAM-3 mRNA /cds=(8,1651) /gb=X69819 /gi=32627
116F8	109	376	NM_002964	Hs.100000	1.00E-123	5	S100 calcium-binding protein A8 (calgranulin
121F4	30	540	NM_001629	Hs.100194	1.00E-118	7	arachidonate 5-lipoxygenase-activating pro
46G10	5175	5624	NM_003605	Hs.100293	0	2	O-linked N-acetylglucosamine (GlcNAc) transf
49E4	1279	2585	NM_006773	Hs.100555	0	4	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide
61E1	1279	1767	X98743	Hs.100555		2	RNA helicase (Myc-regulated dead box pro
460A10	824	1321	NM_018099	Hs.100895		1	hypothetical protein FLJ10462 (FLJ10462), mR
	1	303	R18757		1.00E-157	1	yg17e04.r1 cDNA, 5' end /clone=IMAGE:32522 /c
458F1				Hs.100955		1	mRNA for KIAA0399 protein, partial cds /cds=(0,
64B8	2062	2711	AB007859			1	basic transcription factor 3 (BTF3), mRNA /cd
515H6	131	201	NM_001207	Hs.101025			EST380762 cDNA /gb=AW968686 /gi=8158527 /ug=
472H12	10	358	AW968686	Hs.101340	U	1	ES1300702 CD14A7gb=A449000007gi=01303277dg
99G6	2427	4860	AB002384	Hs.101359	0	9	mRNA for KIAA0386 gene, complete cds /cds=(177,3383)
62E12	193	573	AI936516	Hs.101370	1.00E-100	6	wd28h07.x1 cDNA, 3' end /clone=IMAGE:2329501
493B9	3	638	AL583391	Hs.101370		8	AL583391 cDNA /clone=CS0DL012YA12-(3-prime)
117D4	2812	2966	NM_006291	Hs.101382	7.00E-79	1	tumor necrosis factor, alpha-induced protein
462A9	382	620	BC000764	Hs.101514	1.00E-133	1	hypothetical protein FLJ10342, clone MGC:27
193G3	3368	3659	AL139349	Hs.102178	3.00E-88	1	DNA sequence from clone RP11-261P9 on chromosome 20.
62H6	3035	4257	AF193339	Hs.102506	0 0	5	eukaryotic translation initiation factor 2 a
46E2	3223		NM 004836	Hs.102506	S 0	2	eukaryotic translation initiation factor 2-a
460C4	151	635	AW978361	Hs.102630	0	2	EST390470 cDNA /gb=AW978361 /gi=8169626 /ug=
10001		•••					
58E4	1	321	BF970875	Hs.102647	7 1.00E-177	2	602271536F1 cDNA, 5' end /clone=IMAGE:4359609
189G9	5473	6137	NM_018489	Hs.102652	2 0	2	hypothetical protein ASH1 (ASH1), mRNA /cds=(
111H5	3043	3331	AK000354	Hs.102669	1.00E-125	1	cDNA FLJ20347 fis, clone HEP13790 /cds=(708,14
465B8	27	348	AI707589	Hs.102793	3 1.00E-164	1	as30b05.x1 cDNA, 3' end /clone=IMAGE:2318673
126G11	1069		NM_016128	Hs.102950	0 0	2	coat protein gamma-cop (LOC51137), mRNA /cds=
165H5	326	564	BF698884		4.00E-71	1	602126455F1 cDNA, 5' end /clone=IMAGE:4283340
							a management is a small to adapted
108H6	2135	2505	AB023187		9 1.00E-59	1	for KIAA0970 protein, complete cds /cds=(
521C9	1440	1962	AL136885	Hs.10337	8 0	2	mRNA; cDNA DKFZp434P116 (from clone DKFZp434P1
458C9	3876	4415	AF254411	Hs.10352	1 0	1	ser/arg-rich pre-mRNA splicing factor SR-A1 (
99F6	349	767	NM_018623	Hs.10365	7 0	5	hypothetical protein PRO2219 (PRO2219), mRNA
162G11	1745	2161	AF117829	Hs.10375	5 1.00E-151	1	8q21.3: RICK gene /cds=(224,1846) /gb=AF11782
188G1	1757	2566	NM_004501	Hs.10380	4 0	2	heterogeneous nuclear ribonucleoprotein U (
470F7	56	302	NM_024056	Hs.10383	4 1.00E-137	1	hypothetical protein MGC5576 (MGC5576), mRNA
460A11	225	288	BG033732		2 3.00E-29	1	602301101F1 cDNA, 5' end /clone=IMAGE:4402465
				Uo 40404	0 1 005 122	1	transforming, acidic coiled-coil containing
522H7	2157		NM_006342		9 1.00E-132 5 0		adenylyl cyclase-associated protein (CAP) mRN
39E5	1007		L12168	Hs.10412		10	adenylyl cyclase-associated protein (CAP) mixed adenylyl cyclase-associated protein (CAP), m
98C11	1023	2558	NM_006367	Hs.10412	5 0	29	
461B2	88	221	AW968823		7 1.00E-38	1	EST380899 cDNA /gb=AW968823 /gi=8158664 /ug=

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

12215	110A4	4010	4306	AB023143	Hs.104305 1.00E-125	1	for KIAA0926 protein, complete cds /cds=(
10502 1817 2174 ABIQ:0588 Hs 104315 0 1 for KIAA0862 protein, complete ads /cds=(NM 014922		2	• • • • • • • • • • • • • • • • • • • •
3704 122 286 AF016495 Hs 104624 0 46 small solute channel 1 (SSC1) mRNA, complete of a quaporin 9 (AQP9), mRNA /cds=(286,1173) /gb= 489E6 1007 1399 NM_016898 Hs.10460 0 1 HIV-1 inducer of short transcripts binding pro 482C11 1037 1532 NM_016892 Hs.104741 0 1 PDZ-binding kinase; T-cell originated protein 489C7 1 618 BG035120 Hs.104893 0 4 602324815F1 cDNA, 5' end /clone=IMAGE:4413099 112G4 3421 3933 NM_008333 Hs.104895 0 2 ectodermal-neural cortex (with BTB-like dornal adeptor proteins with pleckstrin homology and hypothetical protein with pleckstrin homology and hypothetical protein with pleckstrin homology and hypothetical protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein protein p				_			
9804 1578 2946 NM_ 015898 Hs. 104624 0 71 aquaporin 9 (AGPS), mRNA indisar(286, 1173) (gb= 485261 1037 1399 NM_ 015898 Hs. 104640 0 1 HIV-1 inducer of short transcripts binding pro							
488E8 007 1399 MM_D16898 Hs.10440 0 1 HIV-1 Inducer of short transcripts binding pro 462C11 1037 1532 Nih_018492 Hs.104879 0 2 serine (or cysteine) proteinsase inhibitor, c 496A7 1 618 BG035120 Hs.104893 0 4 602324815F1 cDNA, 5' end /clone=IMAGE:4413099 112C4 3421 3933 NM_003533 Hs.104895 0 2 ectodermal-neural cortex (with BTB-like dornal adaptor protein with pleckstrin homology and hypothetical protein FL111126 (FL111125), mR 469C7 231 380 NM_015833 Hs.105230 0 1 adaptor protein with pleckstrin homology and hypothetical protein FL111126 (FL111125), mR 469C8 46 489 A489227 Hs.105481 0 1 hypothetical protein FL111126 (FL111125), mR 469C8 15 489 A489227 Hs.105481 0 1 hypothetical protein FL11126 (FL111125), mR 469C8 15 AV0707243 Hs.105481 0 1 hypothetical protein FL11126 (FL11125), mR 4773C1 22 MW970799 Hs.105481 0 1 hypothetical protein FL2							
				_			
1864 1940 2513 BC002538 Hs.104879 0 2 Serine (or Cysteline) proteinase inhibitor, c 69234815F1 cDNA, 5' end /clone=IMAGE:4413099				_			
496A7 1 618 BG035120 Hs.104893 0 4 602324815F1 cDNA, 5' end /clone=IMAGE:4413099				_			
12G4							• • • • • • • • • • • • • • • • • • • •
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121H2 14 394 NM_016619 Hs.107139 0 1 hypothetical protein (LOC51316), mRNA /cds=(185D12 118 884 NM_001564 Hs.107153 0 3 inhibitor of growth family, member 1-like (ING 186D6 1140 1507 NM_017892 Hs.107213 0 1 hypothetical protein FLJ20585 (FLJ20585), mR 462B10 192 541 Al707896 Hs.107393 0 3 for putative membrane protein (GENX-3745 499G1 2987 4266 AL035683 Hs.107526 1.00E-104 2 DNA sequence from clone RP5-1063B2 on chromosome 20q1 466F11 327 493 Al391443 Hs.107622 9.00E-90 1 tf96e06.x1 cDNA, 3' end /clone=IMAGE:2107138 182F9 153 649 AF265439 Hs.107707 0 1 DC37 mRNA, complete cds /cds=(5,856) /gb=AF26 481F9 1216 1609 NM_016270 Hs.107797 0 1 small membrane protein 1 (SMP1) mRNA /cds=(84 184H4 189 576 AF081282 Hs.107979 0 1 small membrane protein 1 (SMP1), mRNA /cds=(99, 596H7 1265 1771 NM_004078 Hs.108080 0 3	463G10	538	725	AF035306	Hs.106890 1.00E-102	1	·
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182F9 153 649 AF265439 Hs.107707 0 1 DC37 mRNA, complete cds /cds=(5,856) /gb=AF26 481F9 1216 1609 NM_016270 Hs.107740 0 2 Kruppel-like factor (LOC51713), mRNA /cds=(84 184H4 189 576 AF081282 Hs.107979 0 1 small membrane protein 1 (SMP1) mRNA, complete 103E11 1006 2137 NM_014313 Hs.107979 0 4 small membrane protein 1 (SMP1), mRNA /cds=(99, 596H7 1265 1771 NM_004078 Hs.108080 0 3 cysteine and glycine-rich protein 1 (CSRP1), m 46H8 777 914 AF070640 Hs.108112 2.00E-47 1 clone 24781 mRNA sequence /cds=UNKNOWN /gb=AF 53B4 1552 1967 U32986 Hs.108327 0 2 xeroderma pigmentosum group E UV-damaged DNA	466F11	327	493	Al391443	Hs.107622 9.00E-90	1	tf96e06.x1 cDNA, 3' end /clone=IMAGE:2107138
481F9 1216 1609 NM_016270 Hs.107740 0 2 Kruppel-like factor (LOC51713), mRNA /cds=(84 184H4 189 576 AF081282 Hs.107979 0 1 small membrane protein 1 (SMP1) mRNA, complete 103E11 1006 2137 NM_014313 Hs.107979 0 4 small membrane protein 1 (SMP1), mRNA /cds=(99, 596H7 1265 1771 NM_004078 Hs.108080 0 3 cysteine and glycine-rich protein 1 (CSRP1), m 46H8 777 914 AF070640 Hs.108112 2.00E-47 1 clone 24781 mRNA sequence /cds=UNKNOWN /gb=AF 53B4 1552 1967 U32986 Hs.108327 0 2 xeroderma pigmentosum group E UV-damaged DNA	182F9	153	649	AF265439	Hs.107707 0	1	DC37 mRNA, complete cds /cds=(5,856) /gb=AF26
184H4 189 576 AF081282 Hs.107979 0 1 small membrane protein 1 (SMP1) mRNA, complete 103E11 1006 2137 NM_014313 Hs.107979 0 4 small membrane protein 1 (SMP1), mRNA /cds=(99, 596H7 1265 1771 NM_004078 Hs.108080 0 3 cysteine and glycine-rich protein 1 (CSRP1), m 46H8 777 914 AF070640 Hs.108112 2.00E-47 1 clone 24781 mRNA sequence /cds=UNKNOWN /gb=AF 53B4 1552 1967 U32986 Hs.108327 0 2 xeroderma pigmentosum group E UV-damaged DNA	481F9	1216	1609	NM 016270		2	
103E11 1006 2137 NM_014313 Hs.107979 0 4 small membrane protein 1 (SMP1), mRNA /cds=(99, 596H7 1265 1771 NM_004078 Hs.108080 0 3 cysteine and glycine-rich protein 1 (CSRP1), m 46H8 777 914 AF070640 Hs.108112 2.00E-47 1 clone 24781 mRNA sequence /cds=UNKNOWN /gb=AF 53B4 1552 1967 U32986 Hs.108327 0 2 xeroderma pigmentosum group E UV-damaged DNA				_			• • • • • • • • • • • • • • • • • • • •
596H7 1265 1771 NM_004078 Hs.108080 0 3 cysteine and glycine-rich protein 1 (CSRP1), m 46H8 777 914 AF070640 Hs.108112 2.00E-47 1 clone 24781 mRNA sequence /cds=UNKNOWN /gb=AF 53B4 1552 1967 U32986 Hs.108327 0 2 xeroderma pigmentosum group E UV-damaged DNA							
46H8 777 914 AF070640 Hs.108112 2.00E-47 1 clone 24781 mRNA sequence /cds=UNKNOWN /gb=AF 53B4 1552 1967 U32986 Hs.108327 0 2 xeroderma pigmentosum group E UV-damaged DNA	100211	1000	2101	14III_014010	110.107070	7	Small membrane protein 1 (omi 1), mitto (rodo (oo,
/gb=AF 53B4 1552 1967 U32986 Hs.108327 0 2 xeroderma pigmentosum group E UV-damaged DNA	596H7	1265	1771	NM_004078	Hs.108080 0	3	cysteine and glycine-rich protein 1 (CSRP1), m
53B4 1552 1967 U32986 Hs.108327 0 2 xeroderma pigmentosum group E UV-damaged DNA	46H8	777	914	AF070640	Hs.108112 2.00E-47	1	•
	53B4	1552	1967	U32986	Hs.108327 0	2	xeroderma pigmentosum group E UV-damaged DNA

124A10	1089	1733	AK001428	Hs.108332 0	3	cDNA FLJ10566 fis, clone NT2RP2002959, highly
127F8	428	746	AL136941	Hs.108338 0	1	mRNA; cDNA DKFZp586C1924 (from clone DKFZp586
191G10	518	883	AL136640	Hs.108548 0	2	mRNA; cDNA DKFZp564F163 (from clone DKFZp564F1
458G8	2374	5101	NM_016227	Hs.108636 0	2	membrane protein CH1 (CH1), mRNA /cds=(124,434
58F11	735	798	NM_006963	Hs.108642 2.00E-28	1	zinc finger protein 22 (KOX 15) (ZNF22), mRNA /
118B5	2715	2797	AK022874	Hs.108779 2.00E-38	1	cDNA FLJ12812 fis, clone NT2RP2002498 /cds=(3,
110H2	18	661	AF026292	Hs.108809 0	1	chaperonin containing t-complex polypeptide
181G4	1008	1142	NM_006429	Hs.108809 2.00E-71	1	chaperonin containing TCP1, subunit 7 (eta) (C
189F11	415	615	AK024569	Hs.108854 2.00E-79	1	cDNA: FLJ20916 fis, clone ADSE00738, highly s
596F8	5958	6097	AB011087	Hs.108945 8.00E-48	1	mRNA for KIAA0515 protein, partial cds /cds=(0,
157D8	399	830	NM_016145	Hs.108969 0	1	PTD008 protein (PTD008), /cds=(233,553)
175E7	712	1849	AL133111	Hs.109150 0	2	mRNA; cDNA DKFZp434H068 (from clone DKFZp434H0
514E1	66	613	NM_012417	Hs.109219 0	4	retinal degeneration B beta (RDGBB), mRNA /cd
106A4	1864	2220	AJ011895	Hs.109281 1.00E-111	1	for HIV-1, Nef-associated factor 1 alpha
169E1	938	1331	AK024297	Hs.109441 0	2	FLJ14235 fis, clone NT2RP4000167 /cds=(82
100B8	1	191	NM_012456	Hs.109571 3.00E-85	1	translocase of inner mitochondrial membrane 1
115B7	983	1193	NM_007074	Hs.109606 1.00E-116	1	coronin, actın-binding protein, 1A (CORO1A),
62H11	1	626	BF245892	Hs.109641 1.00E-154	10	601864070F1 cDNA, 5' end /clone=IMAGE:4082465
595B2	4976	5286	AB040884	Hs.109694 1.00E-142	1	mRNA for KIAA1451 protein, partial cds /cds=(0
75H11	227	482	BF244603	Hs.109697 1.00E-129	1	601862620F1 cDNA, 5' end /clone=IMAGE:4080412
118G3	219	392	NM_024292	Hs.109701 2.00E-66	1	ubiquitin-like 5 (UBL5), mRNA /cds=(65,286) /
105A5	3271	3532	AL117407	Hs.109727 1.00E-147	2	cDNA DKFZp434D2050 (from clone DKFZp434D
481B7	1101	1201	NM_006026	Hs.109804 9.00E-42	1	H1 histone family, member X (H1FX), mRNA /cds=(
476H12	1018	1429	NM_004310	Hs.109918 0	3	ras homolog gene family, member H (ARHH), mRNA
144C8	1252	1429	Z35227	Hs.109918 7.00E-92	1	TTF for small G protein /cds=(579,1154) /gb=
141E10	630	1269	AK001779	Hs.110445 0	4	FLJ10917 fis, clone OVARC1000321 /cds=(18
494D8	4102	4476	NM_014918	Hs.110488 0	1	KIAA0990 protein (KIAA0990), mRNA /cds=(494,2
47C3	2298	2431	D86974	Hs.110613 1.00E-60	1	KIAA0220 gene, partial cds /cds=(0,1661) /gb
194C10	1210	1704	AL157477	Hs.110702 0	1	mRNA; cDNA DKFZp761E212 (from clone DKFZp761E2
192F1	3254	3686	NM_015726	Hs.110707 1.00E-150	2	H326 (H326), mRNA /cds=(176,1969) /gb=NM_0157
595B8	1148	1414	NM_003472	Hs.110713 1.00E-147	1	DEK oncogene (DNA binding) (DEK), mRNA /cds=(3
459F3	3337	3915	NM_001046	Hs.110736 0	1	solute carrier family 12 (sodium/potassium/ch
195 F 5	1051	1482	AK025557	Hs.110771 0	2	cDNA: FLJ21904 fis, clone HEP03585 /cds=UNKNOW
53B10	163	742	NM 020150	Hs.110796 0	1	SAR1 protein (SAR1), mRNA /cds=(100,696) /gb=
164B11	122	932	NM 016039	Hs.110803 0	5	CGI-99 protein (LOC51637), mRNA /cds=(161,895
594H4	982	1454	AK026528	Hs.111222 6.00E-95	3	cDNA: FLJ22875 fis, clone KAT02879 /cds=(30,51
50A10	1688	2095	AF119897	Hs.111334 0	2	PRO2760 mRNA, complete cds /cds=UNKNOWN /gb=A
102H11	175	498	AI436587	Hs.111377 1.00E-148	1	ti03d11.x1 cDNA, 3' end /clone=IMAGE:2129397
109G11	1324	1388	AB016811	Hs.111554 2.00E-29	1	for ADP ribosylation factor-like protein,
144E10	77	304	BF219474	Hs.111611 1.00E-122	2	601884269F1 5' end /clone=IMAGE:4102769
583C9	4	272	NM_000988	Hs.111611 1.00E-148	10	ribosomal protein L27 (RPL27), mRNA /cds=(17,4
111F4	31	380	NM_014463	Hs.111632 0	1	Lsm3 protein (LSM3), mRNA /cds=(29,337) /gb=N
106E6	2646	2892	AL096723	Hs.111801 1.00E-135	1	cDNA DKFZp564H2023 (from clone DKFZp564H
169A2	773	1015	D14696	Hs.111894 1.00E-135	2	KIAA0108 gene, complete cds /cds=(146,847) /

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

182D6	264	748	NM_014713	Hs.111894 0	1	lysosomal-associated protein transmembrane
460D11	205	452	AI557431	Hs.111973 4.00E-60	1	PT2.1_7_C05.r cDNA, 3' end /clone_end=3' /gb=
121A7	355	589	NM_020382	Hs.111988 1.00E-128	1	PR/SET domain containing protein 07 (SET07), m
476C12	254	463	AA442585	Hs.112071 1.00E-111	1	zv57f09.r1 cDNA, 5' end /clone=IMAGE:757769 /
172E7	469	736	AF228422	Hs.112242 1.00E-143	1	normal mucosa of esophagus specific 1 (NMES1)
108E10	4800	4901	AF071076	Hs.112255 6.00E-48	1	cell-line HeLa Nup98-Nup96 precursor, mRNA, c
47G12	1	301	BF237710	Hs.112318 1.00E-165	5	601842210F1 cDNA, 5' end /clone=IMAGE:4079930
41012	•		D. 201110			
599G7	38	455	NM 019059	Hs.112318 0	32	6.2 kd protein (LOC54543), mRNA /cds=(93,260)
469F9	226	546	NM_002638	Hs.112341 1.00E-107	1	protease inhibitor 3, skin-derived (SKALP) (P
589G11	482	1336	AK026396	Hs.112497 0	2	cDNA: FLJ22743 fis, clone HUV00901
••••						/cds=UNKNOW
464F10	1686	1917	NM_002978	Hs.112842 1.00E-119	1	sodium channel, nonvoltage-gated 1, delta (SC
54B11	1	423	BF025727	Hs.113029 0	26	601670406F1 cDNA, 5' end /clone=IMAGE:3953425
591C5	31	469	NM_001028	Hs.113029 0	10	ribosomal protein S25 (RPS25), mRNA /cds=(71,4
585F4	1882	3918	AK027136	Hs.113205 1.00E-130	3	cDNA: FLJ23483 fis, clone KAIA04052 /cds=UNKNO
61B12	1168	2386	AF105253	Hs.113368 0	5	neuroendocrine secretory protein 55 mRNA, com
163D9	3470	4109	Y08890	Hs.113503 0	1	mRNA for Ran_GTP binding protein 5
466C4	276	946	AL359916	Hs.113872 0	1	DNA sequence from clone RP11-550O8 on chromosome 20 C
592C12	2506	2696	AF323540	Hs.114309 2.00E-80	1	apolipoprotein L-I mRNA, splice variant B, co
476A11	121	528	AA702108	Hs.114931 0	1	zi85e01.s1 cDNA, 3' end /clone=IMAGE:447576 /
109F4		3521	D30783	Hs.115263 0	1	for epiregulin, complete cds /cds=(166,67
123D1	3123		NM_001432	Hs.115263 0	1	epiregulin (EREG), mRNA /cds=(166,675) /gb=N
465D7	1	175	BG288391	Hs.115467 1.00E-94	1	602388053F1 cDNA, 5' end /clone=IMAGE:4517076
10021	•					
74H9	346	602	AK027114	Hs.115659 1.00E-108	1	FLJ23461 fis, clone HSI07757 /cds=UNKNOW
585E4	384	1146	NM_024061	Hs.115659 0	3	hypothetical protein MGC5521 (MGC5521), mRNA
462C1	945	1222	NM_024036	Hs.115960 1.00E-152	1	hypothetical protein MGC3103 (MGC3103), mRNA
464E4	1276	1635	AK023633	Hs.116278 1.00E-138	1	cDNA FLJ13571 fis, clone PLACE1008405 /cds=UNK
43B10	1601	1798	AF283777	Hs.116481 9.00E-47	1	clone TCBAP0702 mRNA sequence /cds=UNKNOWN
					_	/g
465G1	374	654	-	Hs.116481 5.00E-85	2	CD72 antigen (CD72), mRNA /cds=(108,1187) /gb
51G8	29	203	BF341330	Hs.116567 6.00E-26	1	602013274F1 cDNA, 5' end /clone=IMAGE:4149066
		0.400	V00740	U- 440774 O	4	integrin, alpha subunit /cds=UNKNOWN /g
40D10		3430	X68742	Hs.116774 0	1	OB binding protein-2 (OB-BP2) mRNA, complete cds
107D1	1778	1943	U71383	Hs.117005 1.00E-84	1	/cds
45004	2002	3522	AK025364	Hs.117268 0	1	cDNA: FLJ21711 fis, clone COL10156 /cds=UNKNOW
459D4	2882	3522	ANU25364	HS.117200 U	'	CDIVA. 1 ESZ 17 11 IIS, CIONE COLTO 100 7000 CHIATOTT
473E8	2104	2233	AB029016	Hs.117333 2.00E-65	3	mRNA for KIAA1093 protein, partial cds /cds=(0
473E8 458E2	88	627	AI825645	Hs.117906 0	2	wb75b09.x1 cDNA, 3' end /clone=IMAGE:2311481
163A7	1160		X53793	Hs.117950 1.00E-109		ADE2H1 mRNA showing homologies to SAICAR
103A7	1100	1420	X33733	113.117300 1.002-103	•	syntheta
123B8	18	740	NM_002799	Hs.118065 0	1	proteasome (prosome, macropain) subunit, bet
583G3	924	1199	AB011182	Hs.118087 1.00E-155	4	mRNA for KIAA0610 protein, partial cds /cds=(0,
127A1	263	557	NM_006441	Hs.118131 1.00E-141	1	5,10-methenyltetrahydrofolate synthetase (
459A10	188	817	AL522477	Hs.118142 0	1	AL522477 cDNA /clone=CS0DB008YK14-(3-prime)
584A10	8484	8875	NM_003316	Hs.118174 0	1	tetratricopeptide repeat domain 3 (TTC3), mRN
52D4	1287	1752	AK026486	Hs.118183 0	1	FLJ22833 fis, clone KAIA4266 /cds=(479,8
470B6	68	532	BF030930	Hs.118303 0	1	601558648F1 cDNA, 5' end /clone=IMAGE:3828706
41B3	5041	5669	M14648	Hs.118512 0	1	cell adhesion protein (vitronectin) receptor alpha s

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

					_	
125B8	999	1573	NM_003733	Hs.118633 0	1	2'-5'oligoadenylate synthetase-like (OASL),
459D3	3	427	AI052447	Hs.118659 0	1	oz07g04.x1 cDNA, 3' end /clone=IMAGE:1674678
112F11	191	387	NM_006923	Hs.118684 1.00E-103	1	stromal cell-derived factor 2 (SDF2), mRNA /c
129E4	1727	1891	AL050404	Hs.118695 2.00E-86	1	DNA sequence from clone 955M13 on chromosome 20. Conta
126H2	1512	2209	NM_000358	Hs.118787 0	2	transforming growth factor, beta-induced, 68
598D9	817	1106	NM_001155	Hs.118796 1.00E-108	1	annexin A6 (ANXA6), transcript variant 1, mRN
331E6	89	475	BE311727	Hs.118857 0	1	601143334F1 cDNA, 5' end /clone=IMAGE:3507009
521C1	700	1180	NM_006292	Hs.118910 0	2	tumor susceptibility gene 101 (TSG101), mRNA
139E8	463	1198	AJ012506	Hs.118958 0	1	activated in tumor suppression, clone TSA
69H2	578	1117	U05040	Hs.118962 0	1	FUSE binding protein mRNA, complete cds /cds=(26,1960
461F1	1241	1715	AK024119	Hs.118990 0	1	cDNA FLJ14057 fis, clone HEMBB1000337 /cds=UNK
481E1	1682	1969	NM_017544	Hs.119018 1.00E-129	1	transcription factor NRF (NRF), mRNA /cds=(653
479B4	45	203	AL109806	Hs.119057 5.00E-43	1	DNA sequence from clone RP5-1153D9 on chromosome 20 C
520F1	177	672	NM_012423	Hs.119122 1.00E-148	8	ribosomal protein L13a (RPL13A), mRNA /cds=(1
477E4	46	1565	AL109786	Hs.119155 0	3	mRNA full length insert cDNA clone EUROIMAGE 81
166F10	304	814	M37583	Hs.119192 0	3	histone (H2A.Z) mRNA, complete cds /cds=(106,492) /g
592E5	302	814	NM_002106	Hs.119192 0	7	H2A histone family, member Z (H2AFZ), mRNA /cd
54B1	47	1144	AJ400717	Hs.119252 0	9	TPT1 gene for translationally controlled tumo
594H9	609	1013	NM_000520	Hs.119403 0	1	hexosaminidase A (alpha polypeptide) (HEXA),
492D9	30	272	NM_001004	Hs.119500 1.00E-135	2	ribosomal protein, large P2 (RPLP2), mRNA /cd
59H8	14	1890	NM_016091	Hs.119503 0	12	HSPC025 (HSPC025), mRNA /cds=(33,1727) /gb=N
525E8	12	446	NM_006432	Hs.119529 0	2	epididymal secretory protein (19.5kD) (HE1),
166G7	1323	2293	M88108	Hs.119537 0	3	p62 mRNA, complete cds /cds=(106,1437) /gb=M88108 /g
112D10	1054	1722	NM_006559	Hs.119537 0	1	GAP-associated tyrosine phosphoprotein p62
158E9	847	1273	AL022326	Hs.119598 0	1	DNA sequence from clone 333H23 on chromosome 22q12.1-1
161H7	738	1272	NM_000967	Hs.119598 0	1	ribosomal protein L3 (RPL3), mRNA /cds=(6,1217
168F8	284	778	M34671	Hs.119663 0	1	lymphocytic antigen CD59/MEM43 mRNA, complete cds /c
585C9	285	783	NM_000611	Hs.119663 0	1	CD59 antigen p18-20 (antigen identified by mo
143G12	753	1329	AK023975	Hs.119908 0	4	FLJ13913 fis, clone Y79AA1000231, highly
55D12	1107	1365	NM_015934	Hs.119908 1.00E-119	1	nucleolar protein NOP5/NOP58 (NOP5/NOP58), m
467E7	37	419	Al492066	Hs.119923 0	1	tg12b03.x1 cDNA, 3' end /clone=IMAGE:2108525
462C10	2669	3025	NM_012318	Hs.120165 0	1	leucine zipper-EF-hand containing transmembr
473F11	396	1006	AK025068	Hs.120170 0	1	cDNA: FLJ21415 fis, clone COL04030 /cds=(138,7
98E11	211	458	AW081455	Hs.120219 1.00E-114	2	xc31c07.x1 cDNA, 3' end /clone=IMAGE:2585868
471C8	60	301	NM_014487	Hs.120766 1.00E-120	1	nucleolar cysteine-rich protein (HSA6591), m
134C4	284	529	AK000470	Hs.120769 9.00E-98	1	cDNA FLJ20463 fis, clone KAT06143 /cds=UNKNOWN
469C10	1	441	AA677952	Hs.120891 0	1	zi14a06.s1 cDNA, 3' end /clone=IMAGE:430738 /
60C9	1022	1615	AB011421	Hs.120996 0	1	for DRAK2, complete cds /cds=(261,1379) /
461A7	738	1274	NM_014205	Hs.121025 0	1	chromosome 11 open reading frame 5 (C11ORF5), m
104A4	557	1942	D89974	Hs.121102 0	4	for glycosylphosphatidyl inositol-ancho
196C9	557	1463	NM_004665	Hs.121102 0	9	vanin 2 (VNN2), mRNA /cds=(11,1573) /gb=NM_004
467F4	4	328	AW972196	Hs.121210 1.00E-162	1	EST384285 cDNA /gb=AW972196 /gi=8162042 /ug=

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				•	•	• -
587A12	224	367	AW975541	Hs.121572 1.00E-62	1	EST387650 cDNA /gb=AW975541 /gi=8166755 /ug=
36G5	13	604	AL008729	Hs.121591 0	1	DNA sequence from PAC 257A7 on chromosome 6p24. Contai
464C1	120	413	AA772692	Hs.121709 1.00E-120) 1	ai35b09.s1 cDNA, 3' end /clone=1358969 /clone
36E2	411	821	AK025556	Hs.121849 0	1	FLJ21903 fis, clone HEP03579 /cds=(84,46
196A6	411	1113	NM_022818	Hs.121849 0	1	Microtubule-associated proteins 1A and 1B, I
471G2	176	333	AW469546	Hs.122116 2.00E-64	1	hd19e09.x1 cDNA, 3' end /clone=IMAGE:2909992
462F5	218	611	BF677944	Hs.122406 1.00E-166	1	602084766F1 cDNA, 5' end /clone=IMAGE:4248905
465A6	376	478	AV762642	Hs.122431 2.00E-28	1	AV762642 cDNA, 5' end /clone=MDSEMB08 /clone_
467G10	603	803	AL040371	Hs.122487 9.00E-96	1	DKFZp434P0213_r1 cDNA, 5' end /clone=DKFZp434
465C12	66	260	AI804629	Hs.122848 3.00E-83	1	tc81g03.x1 cDNA, 3' end /clone=IMAGE:2072596
98H6	442	591	AI081246	Hs.122983 5.00E-78	1	oy67b06.x1 cDNA, 3' end /clone=IMAGE:1670867
52B4	123	236	BE676541	Hs.123254 8.00E-46	1	7f31g03.x1 cDNA, 3' end /clone=IMAGE:3296308
128C7	4875	5186	AB020631	Hs.123654 1.00E-131		mRNA for KIAA0824 protein, partial cds /cds=(0
184B5	594	1187	AL109865	Hs.124186 0	1	DNA sequence from clone GS1-120K12 on chromosome 1g25
106A6	1135	1456	AK026776	Hs.124292 9.00E-99	1	FLJ23123 fis, clone LNG08039 /cds=UNKNOW
525G12	314	503	BF996704	Hs.124344 1.00E-72	1	MR1-GN0173-071100-009-g10 cDNA /gb=BF996704
466C3	120	496	AA831838	Hs.124391 1.00E-172	1	oc85h06.s1 cDNA, 3' end /clone=IMAGE:1356539
48G4	1	568	AA203497	Hs.124601 0	1	zx58g05.r1 cDNA, 5' end /clone=IMAGE:446744 /
517G2	577	756	AA858297	Hs.124675 3.00E-61	1	ob13b08.s1 cDNA, 3' end /clone=IMAGE:1323543
107H3	913	1220	AK023013	Hs.124762 1.00E-174	1	FLJ12951 fis, clone NT2RP2005457, highly
473A7	729	929	NM_019062	Hs.124835 4.00E-82	1	hypothetical protein (FLJ20225), mRNA /cds=(
108D12	3225	3531	AF023142	Hs.125134 1.00E-142	2	pre-mRNA splicing SR protein rA4 mRNA, partial
463E11	158	519	Al380443	Hs.125608 0	1	tg02f04.x1 cDNA, 3' end /clone=IMAGE:2107615
104F6	1581	2028	NM_019853	Hs.125682 0	1	protein phosphatase 4 regulatory subunit 2 (P
462A5	5	282	AW975851	Hs.125815 1.00E-149	1	EST387960 cDNA /gb=AW975851 /gi=8167072 /ug=
462B1	534	702	Al378032	Hs.125892 1.00E-69	1	te67g08.x1 cDNA, 3' end /clone=IMAGE:2091806
121A6	3074	3494	AB028978	Hs.126084 1.00E-174	1	mRNA for KIAA1055 protein, partial cds /cds=(0
171G12	94	1240	M15330	Hs.126256 0	7	interleukin 1-beta (IL1B) mRNA, complete cds /cds=(86
183D12	100	1275	NM_000576	Hs.126256 0	9	interleukin 1, beta (IL1B), mRNA /cds=(86,895)
458B2	6	415	Al393205	Hs.126265 0	1	tg14b07.x1 cDNA, 3' end /clone=IMAGE:2108725
102G6	885	1906	AJ271684	Hs.126355 1.00E-171	2	for myeloid DAP12-associating lectin (MD
463E4	847	1015	NM_013252	Hs.126355 2.00E-89	1	C-type (calcium dependent, carbohydrate-reco
167B2	2468	2721	AF195514	Hs.126550 1.00E-142	1	VPS4-2 ATPase (VPS42) mRNA, complete cds /cds=
473D8	19	397	BF445163	Hs.126594 0	1	nad21d12.x1 cDNA, 3' end /clone=IMAGE:3366191
143C9	333	551	BE250027	Hs.126701 1.00E-121	1	600943030F1 cDNA, 5' end /clone=IMAGE:2959639
471E10	806	945	AK021519	Hs.126707 2.00E-71	1	cDNA FLJ11457 fis, clone HEMBA1001522 /cds=(1
462B4	159	572	NM_017762	Hs.126721 0	1	hypothetical protein FLJ20313 (FLJ20313), mR
41D8	1	2519	AK023275	Hs.126925 0	5	FLJ13213 fis, clone NT2RP4001126, weakly
463F5	2	563	NM_014464	Hs.127011 0	1	tubulointerstitial nephritis antigen (TIN-A
597C8	2662	2905	AB046765	Hs.127270 1.00E-136	1	mRNA for KIAA1545 protein, partial cds /cds=(0
458F11	15	212	BF508731	Hs.127311 8.00E-81	1	UI-H-BI4-aoq-b-08-0-UI.s1 cDNA, 3' end /cion
462B3	76	389	AW978753	Hs.127327 1.00E-133		EST390862 cDNA /gb=AW978753 /gi=8170027 /ug=
463E2 465G5	176 181	787 372	AI028267 AA953396	Hs.127514 0 Hs.127557 6.00E-78	1 1	ow01d06.x1 cDNA, 3' end /clone=IMAGE:1645547 on63h10.s1 cDNA, 3' end /clone=IMAGE:1561411

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463E10		11634	NM_016239	Hs.127561 0	1	unconventional myosin-15 (LOC51168), mRNA /c
476A9	27	216	AW384918	Hs.127574 1.00E-101	1	PM1-HT0422-291299-002-d01 cDNA /gb=AW384918
111B10	1825	2463	NM_014007	Hs.127649 0	1	KIAA0414 protein (KIAA0414), mRNA /cds=(1132,
499A7	2134	5198	AF070674	Hs.127799 0	8	inhibitor of apoptosis protein-1 (MIHC) mRNA,
331F5	4	460	BF342439	Hs.127863 0	1	602013944F1 cDNA, 5' end /clone=IMAGE:4149562
176A12	796	1351	NM_022900	Hs.128003 0	1	hypothetical protein FLJ21213 (FLJ21213), mR
462B5	1766	1949	NM_014406	Hs.128342 5.00E-82	1	potassium large conductance calcium-activate
467D5	157	279	AI222805	Hs.128630 6.00E-62	1	qp39c07.x1 cDNA, 3' end /clone=IMAGE:1925388
465G3	1	529	BE222032	Hs.128675 0	1	hr61g11.x1 cDNA, 3' end /clone=IMAGE:3133028
467C7	1172	1726	AF118274	Hs.128740 0	1	DNb-5 mRNA, partial cds /cds=(0,1601) /gb=AF11
175G11	358	724	AL110151	Hs.128797 0	1	mRNA; cDNA DKFZp586D0824 (from clone
						DKFZp586
472A12	402	782	BE745645	Hs.129135 1.00E-153	1	601578727F1 cDNA, 5' end /clone=IMAGE:3927535
473C7	46	217	BE670584	Hs.129192 3.00E-37	1	7e36h08.x1 cDNA, 3' end /clone=IMAGE:3284607
463G11	7	397	AA746320	Hs.129572 0	1	ob08f01.s1 cDNA, 3' end /clone=IMAGE:1323097
63D8	18	1167	D13748	Hs.129673 0	4	eukaryotic initiation factor 4AI /cds=(16,12
57F3	19	1279	NM_001416	Hs.129673 0	4	eukaryotic translation initiation factor 4A,
144G5	1071	1192	AF064090	Hs.129708 3.00E-62	3	ligand for herpesvirus entry mediator (HVEM-L)
118A9	2684	3198	AB046805	Hs.129750 0	1	mRNA for KIAA1585 protein, partial cds /cds=(2
50G5	1119	1440	AK024068	Hs.129872 1.00E-172		FLJ14006 fis, clone Y79AA1002399, highly
469D6	376	603	D43968	Hs.129914 1.00E-126		AML1 mRNA for AML1b protein (alternatively spliced
			2 10000	710.120014 1.002 120	•	pr
590G11	823	1571	NM_003563	Hs.129951 0	3	speckle-type POZ protein (SPOP), mRNA /cds=(15
591C7	68	571	NM 005243	Hs.129953 0	1	Ewing sarcoma breakpoint region 1 (EWSR1), tra
459F5	579	768	AI763262	Hs.130059 1.00E-35	1	wi66c04.x1 cDNA, 3' end /clone=IMAGE:2398278
479A10	259	448	AI089359	Hs.130232 1.00E-103	1	qb05h03.x1 cDNA, 3' end /clone=IMAGE:1695413
461G5	193	347	AW898615	Hs.130729 2.00E-68	1	
10100		047	710000010	113.130123 2.00L-00	1	RC1-NN0073-090500-012-f02 cDNA /gb=AW898615
466B1	373	569	Al347054	Hs.130879 1.00E-76	1	qp60a04.x1 cDNA, 3' end /clone=IMAGE:1927374
463G3	3212	5430	AJ404611	Hs.130881 0	2	mRNA for B-cell lymphoma/leukaemia 11A extra
462C3	48	468	AI421806	Hs.131067 0	1	tf44h11.x1 cDNA, 3' end /clone=IMAGE:2099109
596G10	39	491	NM_006294	Hs.131255 0	3	ubiquinol-cytochrome c reductase binding pro
469G10	189	361	AI024984	Hs.131580 1.00E-81	1	ov39d11.x1 cDNA, 3' end /clone=IMAGE:1639701
458B7	169	659	AW978870	Hs.131828 0	1	
10007	100	000	AV970070	115.131020 0	•	EST390979 cDNA /gb=AW978870 /gi=8170147 /ug=
63D1	185	500	AF176706	Hs.131859 1.00E-133	1	F-box protein FBX11 mRNA, partial cds /cds=(0,
58C10	4188	4313	NM_014913	Hs.131915 2.00E-65	1	KIAA0863 protein (KIAA0863), mRNA /cds=(185,3
117H2	282	569	NM_003608	Hs.131924 1.00E-143		
462D11	441	683	AW976422	Hs.132064 1.00E-118		G protein-coupled receptor 65 (GPR65), mRNA /
702011	771	000	AVV370422	118.132004 1.00E-118	•	EST388531 cDNA /gb=AW976422 /gi=8167649 /ug=
586F11	161	1094	NM 017830	Hs.132071 0	2	hypothetical protein FLJ20455 (FLJ20455), mR
466A8	118	224	AI042377	Hs.132156 2.00E-44	1	ox62c03.x1 cDNA, 3' end /clone=IMAGE:1660900
472F6	979	1431	AK022463	Hs.132221 0	1	cDNA FLJ12401 fis, clone MAMMA1002796 /cds=(3,
7.2.0	0,0	, 401	711022400	113.132221 0	1	CDIVA FE3 1240 Fils, Cione IVIAIVIIVIA 1002796 /Cds=(5,
462E4	19	567	AI031656	Hs.132237 0	1	ow48e06.x1 cDNA, 3' end /clone=IMAGE:1650082
462E2	4	539	AI829569	Hs.132238 0	1	
461H9	453	618	BG037042	Hs.132555 4.00E-57		wf28e02.x1 cDNA, 3' end /clone=IMAGE:2356922
101110	-00	310	2000/042	110.102000 4.00E-0/	1	602288311F1 cDNA, 5' end /clone=IMAGE:4374122
467D10	4518	4689	AK024449	Hs.132569 2.00E-55	1	mRNA for FLJ00041 protein, partial cds /cds=(0
463H7	162	438	Al346336	Hs.132594 1.00E-132		qp50b04.x1 cDNA, 3' end /clone=IMAGE:1926415
592B8	2415	2957	NM_005337	Hs.132834 0	1	
70H2	6370	6718	AF047033	Hs.132904 1.00E-175		hematopoietic protein 1 (HEM1), mRNA /cds=(158
50G10	1167	2041	AL121985		1	sodium bicarbonate cotransporter 3 (SLC4A7) m
00010	. 107	2071	AL121300	Hs.132906 0	4	DNA sequence from clone RP11-404F10 on chromosome 1q2
						ononosome 142

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

123C10	1323	1570	NM_015071	Hs.132942 1.00E-136	1	GTPase regulator associated with the focal adh
121B10	92	503	AA504269	Hs.133032 0	1	aa61c09.s1 cDNA, 3' end /clone=IMAGE:825424 /
171A12	696	909	AL050035	Hs.133130 6.00E-83	1	mRNA; cDNA DKFZp566H0124 (from clone DKFZp566
463B5	123	449	AI051673	Hs.133175 1.00E-176	1	oy77g06.x1 cDNA, 3' end /clone=IMAGE:1671898
463B7	966	1103	AL044498	Hs.133262 3.00E-46	1	DKFZp434l082_s1 cDNA, 3' end /clone=DKFZp434l
463B8	1	322	AV661783	Hs.133333 1.00E-176	1	AV661783 cDNA, 3' end /clone=GLCGXE12 /clone_
463A10	431	694	AW966876	Hs.133543 1.00E-110	1	EST378950 cDNA /gb=AW966876 /gi=8156712 /ug=
464B10	63	547	BF965766	Hs.133864 0	1	602276890F1 cDNA, 5' end /clone=IMAGE:4364495
460C6	454	653	AW009671	Hs.134272 8.00E-70	1	ws85g09.x1 cDNA, 3' end /clone=IMAGE:2504800
459C12	3337	3745	AJ278245	Hs.134342 1.00E-121	1	mRNA for LanC-like protein 2 (lancl2 gene) /cds
462G1	33	454	AI074016	Hs.134473 0	1	oy66g02.x1 cDNA, 3' end /clone=IMAGE:1670834
462G6	260	597	BE676210	Hs.134648 1.00E-156	1	7f25c05.x1 cDNA, 3' end /clone=IMAGE:3295688
466H12	505	662	AV706481	Hs.134829 3.00E-65	1	AV706481 cDNA, 5' end /clone=ADBBYF02
148H11	16	474	BE786820	Hs.135056 0	1	601477630F1 5' end /clone=IMAGE:3880471
462E1	139	487	BF109873	Hs.135106 0	1	7I70e11.x1 cDNA, 3' end /clone=IMAGE:3526772
147E6	11	364	AV712376	Hs.135167 0	2	AV712376 cDNA, 5' end /clone=DCAAND12 /clone
	• •	001	7.77 12010	110.100107	-	7.47 12070 00147, 0 014 7010110 00074 1140 12 7010110_
465B4	1993	2237	AJ271326	Hs.135187 1.00E-92	1	mRNA for unc-93 related protein (UNC93 gene) /
463B4	185	352	AI051664	Hs.135339 4.00E-48	1	oy77f06.x1 cDNA, 3' end /clone=IMAGE:1671875
478H4	2126		AK024921	Hs.135570 1.00E-170	1	cDNA: FLJ21268 fis, clone COL01718 /cds=UNKNOW
	0	2100	,	110.100010 1.002 110	•	3514 t. 1 2521250 fis, sions 352511 107645 514144514
148B6	119	444	AI004582	Hs.135764 3.00E-82	8	ou04a11.x1 3' end /clone=IMAGE:1625276
598E9	1948	2184	NM_022117	Hs.136164 3.00E-93	1	cutaneous T-cell lymphoma-associated tumor a
514C10	398	840	AL049597	Hs.136309 0	2	DNA sequence from clone RP4-612B15 on chromosome 1p22
461C6	18	219	BF513274	Hs.136375 1.00E-101	1	UI-H-BW1-amo-d-11-0-UI.s1 cDNA, 3' end /clon
482E4	291	699	BF526066	Hs.136537 1.00E-142	1	602071176F1 cDNA, 5' end /clone=IMAGE:4214059
461G7	43	466	NM_013378	Hs.136713 0	1	pre-B lymphocyte gene 3 (VPREB3), mRNA /cds=(4
119B10	10	677	NM_013269	Hs.136748 0	2	lectin-like NK cell receptor (LLT1), mRNA /cd
462A10	1233	1727	AK024426	Hs.137354 0	1	mRNA for FLJ00015 protein, partial cds /cds=(3
41F2	2684	3000	AJ223324	Hs.137548 1.00E-156	1	for MAX.3 cell surface antigen /cds=(44,10
74E8	16	2000	D10923	Hs.137555 0	15	HM74 /cds=(60,1223) /gb=D10923 /gi=219866 /
58D10	8	2000	NM_006018	Hs.137555 0	9	putative chemokine receptor; GTP-binding pro
120E2	210	814	NM_002027	Hs.138381 0	1	farnesyltransferase, CAAX box, alpha (FNTA),
168E12	1953	2522	D38524	Hs.138593 0	1	5'-nucleotidase /cds=(83,1768) /gb=D38524
178F7	573	824		Hs.139120 1.00E-115	1	ribonuclease P (30kD) (RPP30), mRNA /cds=(27,8
473D1	1635	1767	AL049942	Hs.139240 6.00E-50	1	mRNA; cDNA DKFZp564F1422 (from clone DKFZp564F
188A8	924	1038	NM 017523	Hs.139262 1.00E-56	2	XIAP associated factor-1 (HSXIAPAF1), mRNA /c
168F7	933	1038	X99699	Hs.139262 1.00E-53	1	for XIAP associated factor-1 /cds=(0,953) /
. 181B10	1556	2517	NM_005816	Hs.142023 0	3	T cell activation, increased late expression (
514E7	2052	2339	NM_003150	Hs.142258 1.00E-114		signal transducer and activator of transcripti
196C7	355	524	NM_016123		1	putative protein kinase NY-REN-64 antigen (LO
585B10	3261	3465	AK023129	Hs.142442 1.00E-100	1	cDNA FLJ13067 fis, clone NT2RP3001712, highly
458F2	283	413	BE293343	Hs.142737 3.00E-68	1	601143756F1 cDNA, 5' end /clone=IMAGE:3051493
						,
134C6	289	572	BE886127	Hs.142838 1.00E-160		601509912F1 cDNA, 5' end /clone=IMAGE:3911451
110A11	345	584	AI126688	Hs.143049 1.00E-102	1	qb94a06.x1 cDNA, 3' end /clone=IMAGE:1707730

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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472G7	127	452	AW976331	Hs.143254 0	1	EST388440 cDNA /gb=AW976331 /gi=8167557 /ug=
464G11	425	547	AI357640	Hs.143314 1.00E-56	1	qy15b06.x1 cDNA, 3' end /clone=IMAGE:2012051
463F11	257	640	BF446017	Hs.143389 0	1	7p18a11.x1 cDNA, 3' end /clone=IMAGE:3646004
463H2	107	443	AA825245	Hs.143410 1.00E-151	1	oe59g09.s1 cDNA, 3' end /clone=IMAGE:1415968
48B7	1	3366	NM_005813	Hs.143460 0	2	protein kinase C, nu (PRKCN), mRNA /cds=(555,32
463C9	290	405	AW173163	Hs.143525 5.00E-41	1	xj84b08.x1 cDNA, 3' end /clone=IMAGE:2663895
463C8	330	473	Al095189	Hs.143534 5.00E-57	2	oy83b06.s1 cDNA, 3' end /clone=IMAGE:1672403
464G5	94	189	BG033028	Hs.143554 1.00E-38	1	602300135F1 cDNA, 5' end /clone=IMAGE:1672403
	•				•	0023001331 1 CD14A, 3 Elia /Clotte=INVAGE.4401770
463D7	120	563	NM_006777	Hs.143604 0	1	Kaiso (ZNF-kaiso), mRNA /cds=(0,2018) /gb=NM
471A10	132	586	AK026372	Hs.143631 0	1	cDNA: FLJ22719 fis, clone HSI14307 /cds=UNKNOW
74G2	5129	5285	A E 0 7 2 2 4 0	H- 442040 0 00E 70	•	
471G11	7	320	AF073310	Hs.143648 2.00E-79	2	insulin receptor substrate-2 (IRS2) mRNA, com
471G11			Al568622	Hs.143951 1.00E-154		tn41e10.x1 cDNA, 3' end /clone=IMAGE:2170218
462G3	963 100	1532	NM_018270	Hs.143954 0	1	hypothetical protein FLJ10914 (FLJ10914), mR
462G3 463C1		529	AI074020	Hs.144114 0	1	oy66g06.x1 cDNA, 3' end /clone=IMAGE:1670842
	52 457	151	AI090305	Hs.144119 1.00E-42	1	oy81b01.s1 cDNA, 3' end /clone=IMAGE:1672201
472H8	157	485	BF509758	Hs.144265 1.00E-178	1	UI-H-BI4-apg-d-04-0-UI.s1 cDNA, 3' end /clon
166E1	23	443	D63874	Hs.144321 0	1	HMG-1, complete cds /cds=(76,723) /gb=D63874
145G8	125	1606	NM_018548	Hs.144477 0	2	hypothetical protein PRO2975 (PRO2975), mRNA
191H8	46	624	BF036686	Hs.144559 0	1	601459771F1 cDNA, 5' end /clone=IMAGE:3863248
151B1	1983	2561	M93651	Hs.145279 0	2	set gene, complete cds /cds=(3,836) /gb=M93651 /gi=33
514B2	115	1583	NM_003011	Hs.145279 0	4	SET translocation (myeloid leukemia-associat
596D4	89	734	AA631938	Hs.145668 0	8	fmfc5 cDNA /clone=CR6-21 /gb=AA631938 /gi=25
492B3	512	2226	NM_004902	Hs.145696 0	2	splicing factor (CC1.3) (CC1.3), mRNA /cds=(14
192E4	1483	1837	AF246126	Hs.145956 0	1	zinc finger protein mRNA, complete cds /cds=(1
480B9	1094	1426	AL136874	Hs.146037 1.00E-111	1	mRNA; cDNA DKFZp434C135 (from clone DKFZp434C1
49H1	1761	2182	NM_022894	Hs.146123 0	1	hypothetical protein FLJ12972 (FLJ12972), mR
129C6	517	603	BE220959	Hs.146215 6.00E-21	1	hu02b06.x1 cDNA, 3' end /clone=IMAGE:3165395
583D9	249	646	NM_003641	Hs.146360 0	1	interferon induced transmembrane protein 1 (
589D9	125	1866	NM_002139	Hs.146381 0	5	RNA binding motif protein, X chromosome (RBMX)
68H11	122	1567	Z23064	Hs.146381 0	2	mRNA gene for hnRNP G protein /cds=(11,1186) /gb=
174A8	461	1008	NM_004757	Hs.146401 0	1	small inducible cytokine subfamily E, member 1
171A6	461	686	U10117	Hs.146401 1.00E-100	1	endothelial-monocyte activating polypeptide II mRN
465C4	53	342	AI141004	Hs.146627 3.00E-89	1	oy68f02.x1 cDNA, 3' end /clone=IMAGE:1671003
190H7	1306	3107	AB033079	Hs.146668 0	3	mRNA for KIAA1253 protein, partial cds /cds=(0
102E9	412	1022	AF054187	Hs.146763 0	3	alpha NAC mRNA, complete cds /cds=(309,956) /g
179B1	364	843	D16481	Hs.146812 0	1	mitochondrial 3-ketoacyl-CoA thiolas
126H12	1	358	NM_000183	Hs.146812 0	1	hydroxyacyl-Coenzyme A dehydrogenase/3-keto
476C9	20	249	AI187423	Hs.147040 1.00E-128	2	qf31d04.x1 cDNA, 3' end /clone=IMAGE:1751623
70H11	47	1593	AF272148	Hs.147644 0	7	KRAB zinc finger protein (RITA) mRNA, complete
51F1	635	1039	NM_018555	Hs.147644 0	3	C2H2-like zinc finger protein (ZNF361), mRNA
72H1	948	5026	AF000982	Hs.147916 0	7	dead box, X isoform (DBX) mRNA, alternative tra
37F10	3128	3652	X63563	Hs.148027 0	1	RNA polymerase II 140 kDa /cds=(43,3567)
64C11	163	279	AA908367	Hs.148288 6.00E-29	1	og76c11.s1 cDNA, 3' end /clone=IMAGE:1454228
463G2	52	473	Al335004	Hs.148558 0	1	tb21e09.x1 cDNA, 3' end /clone=IMAGE:2055016
471F8	17	463	AI471866	Hs.149095 0	1	ti67d04.x1 cDNA, 3' end /clone=IMAGE:2137063
169C12	449	1711	L06132	Hs.149155 0	2	voltage-dependent anion channel isoform 1 (VDAC) mRN
189G6	1353	1711	NM_003374	Hs.149155 0	5	voltage-dependent anion channel 1 (VDAC1), mR
481E3	501	669	NM_007022	Hs.149443 5.00E-84	1	putative tumor suppressor (101F6), mRNA /cds=

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				,	· analy	
472B3	93	182	BF029894	Hs.149595 6.00E-44	1	601557056F1 cDNA, 5' end /clone=IMAGE:3827172
173D1	3719	3877	AB037901	Hs.149918 3.00E-83	1	GASC-1 mRNA, complete cds /cds=(150,3320) /gb
153G12	1429	1787	M31627	Hs.149923 0	2	X box binding protein-1 (XBP-1) mRNA, complete cds /cd
116B10	1435	1787	NM_005080	Hs.149923 1.00E-180	1	X-box binding protein 1 (XBP1), mRNA /cds=(12,7
111G4	480	1891	L12052	Hs.150395 0	2	cAMP phosphodiesterase PDE7 (PDE7A1) mRNA, co
461D6	1407	1904	NM_000790	Hs.150403 0	1	dopa decarboxylase (aromatic L-amino acid dec
73B3	896	1779	AL050005	Hs.150580 0	23	cDNA DKFZp564A153 (from clone DKFZp564A1
465G12	1	549	AJ272212	Hs.150601 0	1	mRNA for protein serine kinase (PSKH1 gene) /c
140G12	2	195	BF028489	Hs.150675 1.00E-100	1	601763692F1 cDNA, 5' end /clone=IMAGE:3995950
496E10	17	1686	BC000167	Hs.151001 0	5	clone IMAGE:2900671, mRNA, partial cds /cds=
597G7	623	1488	NM_005015	Hs.151134 0	2	oxidase (cytochrome c) assembly 1-like (OXA1L
50C9	1051	1467	X80695	Hs.151134 0	1	OXA1Hs mRNA /cds=(6,1313) /gb=X80695 /gi=619490
125H7	3154	3957	NM_001421	Hs.151139 0	3	E74-like factor 4 (ets domain transcription fa
111F2	306	638	BG286500	Hs.151239 1.00E-149	1	602382992F1 cDNA, 5' end /clone=IMAGE:4500527
177A4	9686	10035	AF075587	Hs.151411 0	1	protein associated with Myc mRNA, complete cds
185C7	6934	13968	NM_015057	Hs.151411 0	3	KIAA0916 protein (KIAA0916), mRNA /cds=(146,1
115E7	3406	4005	NM_004124	Hs.151413 0	1	glia maturation factor, beta (GMFB), mRNA /cds
182H7	234	833	AF099032	Hs.151461 0	1	embryonic ectoderm development protein short
169C10	4247	4727	U38847	Hs.151518 0	1	TAR RNA loop binding protein (TRP-185) mRNA, complete
167D6	1013	1197	NM_002870	Hs.151536 6.00E-83	1	RAB13, member RAS oncogene family (RAB13), mRN
588G11	1249	1898	AK023362	Hs.151604 1.00E-157	9	cDNA FLJ13300 fis, clone OVARC1001342, highly
479G10	1	277	NM_007210	Hs.151678 1.00E-103	1	UDP-N-acetyl-alpha-D-galactosamine:polype
178B7	2664	3033	NM_004247	Hs.151787 0	4	U5 snRNP-specific protein, 116 kD (U5-116KD),
59A6	382	860	D42054	Hs.151791 0	1	KIAA0092 gene, complete cds /cds=(53,1477) /
521B6	2017	2205	NM_014679	Hs.151791 2.00E-93	1	KIAA0092 gene product (KIAA0092), mRNA /cds=(
59C10	37	697	AF070525	Hs.151903 0	5	clone 24706 mRNA sequence /cds=UNKNOWN /gb=AF
519A7	165	686	NM_005792	Hs.152720 0	1	M-phase phosphoprotein 6 (MPHOSPH6), mRNA /c
481E11	3990	4280	NM_005154	Hs.152818 1.00E-135	1	ubiquitin specific protease 8 (USP8), mRNA /cd
110F2	1210	1841	L25931	Hs.152931 0	2	lamin B receptor (LBR) mRNA, complete cds /cds=(75,192
516F8	1217	1708	NM_002296	Hs.152931 0	1	lamin B receptor (LBR), mRNA /cds=(75,1922) /g
462B2	93	2385	AF244129	Hs.153042 0	2	cell-surface molecule Ly-9 mRNA, complete cds
41F4	617	905	X14046	Hs.153053 1.00E-162	1	leukocyte antigen CD37 /cds=(63,908) /gb=X14
462G8	2312	2843	AF311312	Hs.153057 0	1	infertility-related sperm protein mRNA, comp
142H5	17	221	M94856	Hs.153179 1.00E-92	1	fatty acid binding protein homologue (PA-FABP) mRNA,
486G9	3	431	NM_001444	Hs.153179 0	1	fatty acid binding protein 5 (psoriasis-associ
40A1	2158	2716	X79201	Hs.153221 0	1	SYT /cds=(3,1178) /gb=X79201 /gi=531105
101D9	1524	2060	AB014601	Hs.153293 0	1	for KIAA0701 protein, partial cds /cds=(0
460F10	1457	6107	AB032972	Hs.153489 0	2	mRNA for KIAA1146 protein, partial cds /cds=(0
106A5	445	547	AI761622	Hs.153523 2.00E-37	1	wg66f05.x1 cDNA, 3' end /clone=IMAGE:2370081
482A6	49	369	Al859076	Hs.153551 1.00E-106	1	wl33b04.x1 cDNA, 3' end /clone=IMAGE:2426671
589B2	1054	1556	AF261091	Hs.153612 0	1	iron inhibited ABC transporter 2 mRNA, complet
57A3	1586	1757	NM_004073	Hs.153640 9.00E-87	1	cytokine-inducible kinase (CNK), mRNA /cds=(3
466H3	2	257	NM_003866	Hs.153687 1.00E-133	1	inositol polyphosphate-4-phosphatase, type
483B6	3337	3544	NM_002526	Hs.153952 2.00E-72	1	5' nucleotidase (CD73) (NT5), mRNA /cds=(49,17

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				-		•	
41F1	2749	3371	X55740	Hs.153952	0	1	placental cDNA coding for 5'nucleotidase (EC 3.1.3.5)
44C3	1319	1574	X82206	Hs.153961	1.00F-130	1	alpha-centractin /cds=(66,1196) /gb=X8
64F12	2578	2713					, , ,
			NM_022790	Hs.154057		1	matrix metalloproteinase 19 (MMP19), transcri
72E11	1886	2717	U38320	Hs.154057		15	clone rasi-3 matrix metalloproteinase RASI-1
165H12	414	663	AW970676	Hs.154172	2.00E-22	1	EST382759 cDNA /gb=AW970676 /gi=8160521 /ug=
37A4	1151	2746	M31210	Hs.154210	0	2	endothelial differentiation protein (edg-1) gene mR
597F4	1125	2395	NM_001400	Hs.154210	0	11	endothelial differentiation, sphingolipid G
106F2	24	1657	U22897	Hs.154230	0	2	nuclear domain 10 protein (ndp52) mRNA, comple
466E2	116	373	AB023149	Hs.154296		2	mRNA for KIAA0932 protein, partial cds /cds=(0
107F11	1386	1743	AL117566	Hs.154320		1	cDNA DKFZp566J164 (from clone DKFZp566J1
166E12	4490		D86967	Hs.154332		1	· · · · · · · · · · · · · · · · · · ·
188D12	5148	5666					KIAA0212 gene, complete cds /cds=(58,2031) /
100012	3140	3000	NM_014674	Hs.154332	U	2	KIAA0212 gene product (KIAA0212), mRNA /cds=(
66A1	88	615	M82882	Hs.154365	0	1	cis-acting sequence /cds=UNKNOWN /gb=M82882 /gi=180
37C1	4320	4776	AB028999	Hs.154525	0	1	for KIAA1076 protein, partial cds /cds=(0
98D2	2317	4907	NM_000104	Hs.154654		6	cytochrome P450, subfamily I (dioxin-inducibl
37C4	4445	4907	U03688	Hs.154654		3 .	dioxin-inducible cytochrome P450 (CYP1B1) mRNA,
							comp
464A5	1418	2027	NM_006636	Hs.154672	0	3	methylene tetrahydrofolate dehydrogenase (N
36C5	615	1689	X16396	Hs.154672	0	7	NAD-dependent methylene tetrahydrofolate d
67C8	1	397	U85773	Hs.154695	0	1	phosphomannomutase (PMM2) mRNA, complete cds /cds=(
525D3	2084	2533	NM_002651	Hs.154846	0	1	phosphatidylinositol 4-kinase, catalytic, b
109A7	1979	3148	D10040	Hs.154890	0	2	for long-chain acyl-CoA synthetase, compl
167F6	1817	3359	NM_021122	Hs.154890		8	fatty-acid-Coenzyme A ligase, long-chain 2 (
182A1	344	793	NM_021825	Hs.154938		1	hypothetical protein MDS025 (MDS025), mRNA /
104E2	1254	1762	D87450	Hs.154978		1	KIAA0261 gene, partial cds /cds=(0,3865) /gb
519G10	4912	5303	NM 003489	Hs.155017		1	
595C6	4067		_				nuclear receptor interacting protein 1 (NRIP1
			NM_006526	Hs.155040		2	zinc finger protein 217 (ZNF217), mRNA /cds=(2
105D4	1768	2418	L42373	Hs.155079	U	1	phosphatase 2A B56-alpha (PP2A) mRNA, complete
174B7	1768	2320	NM_006243	Hs.155079	0	1	protein phosphatase 2, regulatory subunit B (
75G4	920	1775	X59066	Hs.155101	0	2	mitochondrial ATP synthase (F1-ATPase) alpha
523G12	20	848	NM_004681	Hs.155103	0	3	eukaryotic translation initiation factor 1A,
74D7	292	1094	M16942	Hs.155122		3	MHC class II HLA-DRw53-associated glycoprotein
					•	Ü	beta-
137D4	2500	2822	AL049761	Hs.155140	1.00 E- 176	1	DNA sequence from clone RP5-863C7 on chromosome 20p12
471B5	908	1168	AK023379	Hs.155160	1.00E-141	1	cDNA FLJ13317 fis, clone OVARC1001577, highly
176C9	2104	2635	NM_003664	Hs.155172	0	1	adaptor-related protein complex 3, beta 1 sub
99F5	212	671	NM_005642	Hs.155188		1	TATA box binding protein (TBP)-associated fac
166E9	1215	1637	U18062	Hs.155188		1	TFIID subunit TAFII55 (TAFII55) mRNA, complete cds
			0.0002	110.100100		•	/c
163A11	60	3052	AL162086	Hs.155191	0	8	cDNA DKFZp762H157 (from clone DKFZp762H1
71E4	44	558	NM_003379	Hs.155191	1.00E-175	4	villin 2 (ezrin) (VIL2), mRNA /cds=(117,1877)
145D8	2135	2669	L47345	Hs.155202	0	1	elongin A mRNA, complete cds /cds=(32,2350) /g
477H9	357	2812	NM_014670	Hs.155291	0	2	KIAA0005 gene product (KIAA0005), mRNA /cds=(
58D8	38	336	NM 000510	He 155270	1.00= 400	1	homoglobin hote (HPD) DNA /-2/50 400) /-
48F11			NM_000518	Hs.155376		1	hemoglobin, beta (HBB), mRNA /cds=(50,493) /g
	576	2131	NM_006164	Hs.155396		2	nuclear factor (erythroid-derived 2)-like 2
65G11	426	1179	S74017	Hs.155396		1	Nrf2=NF-E2-like basic leucine zipper transcriptional act
480G12	852	1246	NM_001352	Hs.155402	0	1	D site of albumin promoter (albumin D-box) bind
182B12	245	592	NM_006899	Hs.155410	0	1	isocitrate dehydrogenase 3 (NAD+) beta (IDH3B

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

599C9	3188	3487	NM_021643	Hs.155418 1.00E-163	1	GS3955 protein (GS3955), mRNA /cds=(1225,2256
68H2	563	1749	AF037448	Hs.155489 0	2	RRM RNA binding protein Gry-rbp (GRY-RBP) mRNA
173F6	1243	1811	AF208043	Hs.155530 0	2	IFI16b (IFI16b) mRNA, complete cds /cds=(264,2
170B3	1061	1342	D50063	Hs.155543 1.00E-139		proteasome subunit p40_/ Mov34 protein, comp
590E9	494	1323	NM_002811	Hs.155543 0	2	
522D11	1463	1710	AB029003	Hs.155546 1.00E-138		proteasome (prosome, macropain) 26S subunit,
587A8	3514	3923	NM_001746	Hs.155560 0		mRNA for KIAA1080 protein, partial cds /cds=(0
39A6	830	1474	D63878		1	calnexin (CANX), mRNA /cds=(89,1867) /gb=NM_0
167F5	745	2735		Hs.155595 0	1	KIAA0158 gene, complete cds /cds=(258,1343)
106E10	1922		NM_004404	Hs.155595 0	3	neural precursor cell expressed, developmenta
524A8	1639	2340	U15173	Hs.155596 1.00E-179		BCL2/adenovirus E1B 19kD-interacting protein
J24A0	1039	2229	NM_014666	Hs.155623 0	1	KIAA0171 gene product (KIAA0171), mRNA /cds=(
166D6	12177	12974	U47077	Hs.155637 0	3	DNA-dependent protein kinase catalytic subuni
488A10	1961	2426	NM_002827	Hs.155894 0	3	protein tyrosine phosphatase, non-receptor t
65D6	696	1107	S68271	Hs.155924 0	3	cyclic AMP-responsive element modulator (CRE
113E8	682	1435	NM_004054	Hs.155935 0	1	complement component 3a receptor 1 (C3AR1), mR
105F10	119	1591	U62027	Hs.155935 0	3	anaphylatoxin C3a receptor (HNFAG09) mRNA, complete
111C1	4122	4779	NM_005541	Hs.155939 0	5	inositol polyphosphate-5-phosphatase, 145kD
40A9	1727	2300	D76444	Hs.155968 0	1	hkf-1 mRNA, complete cds /cds=(922,2979) /gb=
124F1	1464	2121	NM_005667	Hs.155968 0	1	zinc finger protein homologous to Zfp103 in mo
481E12	2237	2691	NM_003588	Hs.155976 0	1	cullin 4B (CUL4B), mRNA /cds=(78,2231) /gb=NM
109H3	36	440	NM_020414	Hs.155986 0	1	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide
193B10	1103	1892	AK024974	Hs.156110 1.00E-180	5	
463H6	26	149	Al337347	Hs.156339 5.00E-57	1	cDNA: FLJ21321 fis, clone COL02335, highly sim
107H5	34	253	Al146787	Hs.156601 7.00E-93		tb98e10.x1 cDNA, 3' end /clone=IMAGE:2062410
517E8	209	822	NM_015646	Hs.156764 0	1	qb83f02.x1 cDNA, 3' end /clone=IMAGE:1706715
		OZZ	14101_013040	HS. 130764 U	3	RAP1B, member of RAS oncogene family (RAP1B),
478H11	456	768	NM_005819	Hs.157144 1.00E-172	1	syntaxin 6 (STX6), mRNA /cds=(0,767) /gb=NM_0
463G12	44	283	Al351144	Hs.157213 3.00E-95	1	qt23f10.x1 cDNA, 3' end /clone=IMAGE:1948459
520A2	2359	2565	BC001913	Hs.157236 1.00E-95	2	Similar to membrane protein of cholinergic sy
473A8	2944	3570	AK026394	Hs.157240 0	1	cDNA: FLJ22741 fis, clone HUV00774 /cds=UNKNOW
464D5	433	601	AW207701	Hs.157315 8.00E-37	1	UI-H-BI2-age-e-03-0-UI.s1 cDNA, 3' end /clon
464B8	288	633	BF184881	Hs.157396 2.00E-99	1	601843756F1 cDNA, 5' end /clone=IMAGE:4064508
463A6	225	554	AW976630	Hs.157447 1.00E-169	1	EST388739 cDNA /gb=AW976630 /gi=8167861 /ug=
464G10	423	661	AI356405	Hs.157556 1.00E-103	1	qz26g04.x1 cDNA, 3' end /clone=IMAGE:2028054
464H3	396	642	AI568755	Hs.157564 1.00E-123	1	th15f03.x1 cDNA, 3' end /clone=IMAGE:2118365
466C1	110	384	AI760026	Hs.157569 1.00E-135	1	wh83c05.x1 cDNA, 3' end /clone=IMAGE:2387336
465A2	11	178	Al823541	Hs.157710 1.00E-79	1	wh55c11.x1 cDNA, 3' end /clone=iMAGE:2384660
464A8	2000	2248	AK023779	Hs.157777 1.00E-134		cDNA FLJ13717 fis, clone PLACE2000425 /cds=UNK
464G1	122	447	Al361761	Hs.157813 1.00E-163	2	qz19a07.x1 cDNA, 3' end /clone=IMAGE:2021940
464G7	293	395	Al361849	Hs.157815 4.00E-30	1	qz19h11.x1 cDNA, 3' end /clone=IMAGE:2022021
145B8	238	598	BF303931	Hs.157850 1.00E-179		
						601886564F2 cDNA, 5' end /clone=IMAGE:4120574
115D1	111	712	NM_000661	Hs.157850 1.00E-159	2	ribosomal protein L9 (RPL9), mRNA /cds=(29,607
102F8	4161	4818	AB023198	Hs.158135 0	1	for KIAA0981 protein, partial cds /cds=(0
597H12	1253	2625	NM_000593	Hs.158164 0	5	ATP-binding cassette, sub-family B (MDR/TAP),
465A3	172	342	T78173	Hs.158193 5.00E-64	1	yd79c05.r1 cDNA, 5' end /clone=IMAGE:114440 /
465H8	740	1171	NM_006354	Hs.158196 1.00E-149	1	transcriptional adaptor 3 (ADA3, yeast homolo
59H12	1646	6883	NM_002313	Hs.158203 0	4	actin-binding LIM protein (ABLIM), transcript

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

464A2	32	549	NM_004571	Hs.158225 0	1	PBX/knotted 1 hoemobox 1 (PKNOX1), mRNA /cds=(
124F12	6603	6907	AB007915	Hs.158286 1.00E-172	1	mDNA for KIAAAAA protoin portiol ada /ada-/2
519F5	80	268	AI199223	Hs.158289 1.00E-86	1	mRNA for KIAA0446 protein, partial cds /cds=(3 qi47c06.x1 cDNA, 3' end /clone=IMAGE:1859626
463F8	33	286	BF433857	Hs.158501 1.00E-123		7q71b07.x1 cDNA /clone=IMAGE /gb=BF433857 /g
137A8	204	452	AI370965	Hs.158653 5.00E-32	1	ta29b11.x1 cDNA, 3' end /clone=IMAGE:2045469
466A11	1	565	BE676408	Hs.158714 0	1	7f29b11.x1 cDNA, 3' end /clone=IMAGE:3296061
73C2	5	396	AW362008	Hs.158794 0	1	•
465C6	242	433	AI378113	Hs.158877 2.00E-95	1	PM2-CT0265-211099-002-d04 /gb=AW362008 tc80c12.x1 cDNA, 3' end /clone=IMAGE:2072470
465C2	29	153	Al378457	Hs.158894 4.00E-60	2	tc79d10.x1 cDNA, 3' end /clone=IMAGE:2072371
465C10	47	442	Al379953	Hs.158943 0	1	
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467E12	109	350	Al799909	Hs.158975 4.00E-30 Hs.158989 1.00E-82	1	tf96a03.x1 cDNA, 3' end /clone=IMAGE:2107084
469G6	169	470	Al631850	Hs.158992 1.00E-119		wc46c08.x1 cDNA, 3' end /clone=IMAGE:2321678
467H4	17	292	BF508694	Hs.158999 1.00E-117		wa36h07.x1 cDNA, 3' end /clone=IMAGE:2300221
469B2	179	388	Al568751	Hs.159014 4.00E-94		UI-H-BI4-aop-f-09-0-UI.s1 cDNA, 3' end /clon
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404L0	142	343	AL330276	ns.199000 1.00E-110	1	AL538276 cDNA /clone=CS0DF027YC09-(5-prime)
469D9	1	413	Al431873	Hs.159103 0	1	ti26b11.x1 cDNA, 3' end /clone=IMAGE:2131581
122C7	1916	2375	NM_003266	Hs.159239 0	1	toll-like receptor 4 (TLR4), mRNA /cds=(284,26
462H4	79	239	BF307871	Hs.159336 7.00E-66	1	601890687F1 cDNA, 5' end /clone=IMAGE:4132028
179C1	428	734	AJ225093	Hs.159386 3.00E-88	1	single-chain antibody, complete cds
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107B2	1	617	BE783628	Hs.159441 1.00E-160	2	601471696F1 cDNA, 5' end /clone=IMAGE:3874823
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70E1	2095	2333	AK027194	Hs.159483 1.00E-119	1	FLJ23541 fis, clone LNG08276, highly sim
58A5	10448	12675	AF193556	Hs.159492 0	10	sacsin (SACS) gene, complete cds /cds=(76,1156
482E11	2064	2559	NM_000061	Hs.159494 0	1	Bruton agammaglobulinemia tyrosine kinase (B
147A11	755	2415	AF001622	Hs.159523 0	7	class-I MHC-restricted T cell associated mole
486H6	1164					class-i witto-restricted i cell associated mole
		1382	NM_019604	Hs.159523 1.00E-117	2	class-I MHC-restricted T cell associated mole
465A5	2693	1382 3039	NM_019604 NM_000033		2	class-I MHC-restricted T cell associated mole
465A5 60C4	2693 1102		-		1	
		3039	NM_000033	Hs.159546 1.00E-148	1	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem
60C4	1102	3039 1962	NM_000033 AK024833	Hs.159546 1.00E-148 Hs.159557 1.00E-147	1 4	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim
60C4 465B11	1102 457	3039 1962 1126	NM_000033 AK024833 NM_016952	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0	1 4 1	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (
60C4 465B11 477A12	1102 457 89	3039 1962 1126 581	NM_000033 AK024833 NM_016952 Al797788	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0	1 4 1 5	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845
60C4 465B11 477A12 595H8	1102 457 89 19	3039 1962 1126 581 912	NM_000033 AK024833 NM_016952 AI797788 NM_004632	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0	1 4 1 5	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(
60C4 465B11 477A12 595H8 74D2	1102 457 89 19 7	3039 1962 1126 581 912 2119	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0	1 4 1 5 2 9	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com
60C4 465B11 477A12 595H8 74D2 71B2	1102 457 89 19 7	3039 1962 1126 581 912 2119 533	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609 NM_005627	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0 Hs.159640 0 Hs.159643 2.00E-92	1 4 1 5 2 9	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com serum/glucocorticoid regulated kinase (SGK)
60C4 465B11 477A12 595H8 74D2 71B2 467G8	1102 457 89 19 7 8 310	3039 1962 1126 581 912 2119 533 488	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609 NM_005627 AW006352	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0 Hs.159640 0 Hs.159643 2.00E-92 Hs.159655 1.00E-173	1 4 1 5 2 9 1	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com serum/glucocorticoid regulated kinase (SGK) wt04d12.x1 cDNA, 3' end /clone=IMAGE:2506487
60C4 465B11 477A12 595H8 74D2 71B2 467G8 467B8	1102 457 89 19 7 8 310	3039 1962 1126 581 912 2119 533 488 363	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609 NM_005627 AW006352 AI392893	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0 Hs.159640 0 Hs.159643 2.00E-92 Hs.159655 1.00E-173	1 4 1 5 2 9 1 1	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com serum/glucocorticoid regulated kinase (SGK) wt04d12.x1 cDNA, 3' end /clone=IMAGE:2506487 tg05d07.x1 cDNA, 3' end /clone=IMAGE:2107885
60C4 465B11 477A12 595H8 74D2 71B2 467G8 467B8 471F11	1102 457 89 19 7 8 310 11	3039 1962 1126 581 912 2119 533 488 363 303	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609 NM_005627 AW006352 AI392893 AI827950	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0 Hs.159640 0 Hs.159643 2.00E-92 Hs.159655 1.00E-173 Hs.159659 1.00E-162	1 4 1 5 2 9 1 1 1	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com serum/glucocorticoid regulated kinase (SGK) wt04d12.x1 cDNA, 3' end /clone=IMAGE:2506487 tg05d07.x1 cDNA, 3' end /clone=IMAGE:2107885 wk31a11.x1 cDNA, 3' end /clone=IMAGE:2413916
60C4 465B11 477A12 595H8 74D2 71B2 467G8 467B8 471F11 467C11	1102 457 89 19 7 8 310 11 16	3039 1962 1126 581 912 2119 533 488 363 303 501	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609 NM_005627 AW006352 AI392893 AI827950 BF508053	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0 Hs.159640 0 Hs.159643 2.00E-92 Hs.159655 1.00E-173 Hs.159659 1.00E-162 Hs.159673 0	1 4 1 5 2 9 1 1 1 1	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com serum/glucocorticoid regulated kinase (SGK) wt04d12.x1 cDNA, 3' end /clone=IMAGE:2506487 tg05d07.x1 cDNA, 3' end /clone=IMAGE:2107885 wk31a11.x1 cDNA, 3' end /clone=IMAGE:2413916 UI-H-BI4-apx-b-11-0-UI.s1 cDNA, 3' end /clon
60C4 465B11 477A12 595H8 74D2 71B2 467G8 467B8 471F11 467C11 477F4	1102 457 89 19 7 8 310 11 16 18 3	3039 1962 1126 581 912 2119 533 488 363 303 501 405	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609 NM_005627 AW006352 AI392893 AI827950 BF508053 AI394671	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0 Hs.159640 0 Hs.159643 2.00E-92 Hs.159655 1.00E-173 Hs.159659 1.00E-162 Hs.159673 0 Hs.159678 0	1 4 1 5 2 9 1 1 1 1 1 2	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com serum/glucocorticoid regulated kinase (SGK) wt04d12.x1 cDNA, 3' end /clone=IMAGE:2506487 tg05d07.x1 cDNA, 3' end /clone=IMAGE:2107885 wk31a11.x1 cDNA, 3' end /clone=IMAGE:2413916 UI-H-BI4-apx-b-11-0-UI.s1 cDNA, 3' end /clon tg24a07.x1 cDNA, 3' end /clone=IMAGE:2109684
60C4 465B11 477A12 595H8 74D2 71B2 467G8 467G8 467B8 471F11 467C11 477F4 472F5	1102 457 89 19 7 8 310 11 16 18 3 194	3039 1962 1126 581 912 2119 533 488 363 303 501 405 366	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609 NM_005627 AW006352 AI392893 AI827950 BF508053 AI394671 NM_018490	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0 Hs.159640 0 Hs.159643 2.00E-92 Hs.159655 1.00E-173 Hs.159659 1.00E-162 Hs.159673 0 Hs.159678 0 Hs.160271 1.00E-93	1 4 1 5 2 9 1 1 1 1 1 2	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com serum/glucocorticoid regulated kinase (SGK) wt04d12.x1 cDNA, 3' end /clone=IMAGE:2506487 tg05d07.x1 cDNA, 3' end /clone=IMAGE:2107885 wk31a11.x1 cDNA, 3' end /clone=IMAGE:2413916 UI-H-BI4-apx-b-11-0-UI.s1 cDNA, 3' end /clon tg24a07.x1 cDNA, 3' end /clone=IMAGE:2109684 G protein-coupled receptor 48 (GPR48), mRNA /
60C4 465B11 477A12 595H8 74D2 71B2 467G8 467B8 471F11 467C11 477F4 472F5 468B11	1102 457 89 19 7 8 310 11 16 18 3 194 72	3039 1962 1126 581 912 2119 533 488 363 303 501 405 366 481	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609 NM_005627 AW006352 AI392893 AI827950 BF508053 AI394671 NM_018490 AI393041	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0 Hs.159640 0 Hs.159643 2.00E-92 Hs.159655 1.00E-173 Hs.159659 1.00E-162 Hs.159673 0 Hs.160271 1.00E-93 Hs.160273 0 Hs.160273 0	1 4 1 5 2 9 1 1 1 1 1 2 1	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com serum/glucocorticoid regulated kinase (SGK) wt04d12.x1 cDNA, 3' end /clone=IMAGE:2506487 tg05d07.x1 cDNA, 3' end /clone=IMAGE:2107885 wk31a11.x1 cDNA, 3' end /clone=IMAGE:2413916 UI-H-BI4-apx-b-11-0-UI.s1 cDNA, 3' end /clon tg24a07.x1 cDNA, 3' end /clone=IMAGE:2109684 G protein-coupled receptor 48 (GPR48), mRNA / tg25b10.x1 cDNA, 3' end /clone=IMAGE:2109787
60C4 465B11 477A12 595H8 74D2 71B2 467G8 467B8 471F11 467C11 477F4 472F5 468B11 477D3	1102 457 89 19 7 8 310 11 16 18 3 194 72 5	3039 1962 1126 581 912 2119 533 488 363 303 501 405 366 481 484	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609 NM_005627 AW006352 AI392893 AI827950 BF508053 AI394671 NM_018490 AI393041 AI393906	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0 Hs.159643 2.00E-92 Hs.159655 1.00E-173 Hs.159659 1.00E-162 Hs.159673 0 Hs.159678 0 Hs.160271 1.00E-93 Hs.160273 0 Hs.160401 0 Hs.160405 1.00E-178	1 4 1 5 2 9 1 1 1 1 1 2 1 1 2	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com serum/glucocorticoid regulated kinase (SGK) wt04d12.x1 cDNA, 3' end /clone=IMAGE:2506487 tg05d07.x1 cDNA, 3' end /clone=IMAGE:2107885 wk31a11.x1 cDNA, 3' end /clone=IMAGE:2107885 UI-H-BI4-apx-b-11-0-UI.s1 cDNA, 3' end /clon tg24a07.x1 cDNA, 3' end /clone=IMAGE:2109684 G protein-coupled receptor 48 (GPR48), mRNA / tg25b10.x1 cDNA, 3' end /clone=IMAGE:2109787 tg05f08.x1 cDNA, 3' end /clone=IMAGE:2107911
60C4 465B11 477A12 595H8 74D2 71B2 467G8 467B8 471F11 467C11 477F4 472F5 468B11 477D3 477D12	1102 457 89 19 7 8 310 11 16 18 3 194 72 5	3039 1962 1126 581 912 2119 533 488 363 303 501 405 366 481 484 389	NM_000033 AK024833 NM_016952 AI797788 NM_004632 AF153609 NM_005627 AW006352 AI392893 AI827950 BF508053 AI394671 NM_018490 AI393041 AI393906 AI393962	Hs.159546 1.00E-148 Hs.159557 1.00E-147 Hs.159565 0 Hs.159577 0 Hs.159627 0 Hs.159640 0 Hs.159643 2.00E-92 Hs.159655 1.00E-173 Hs.159659 1.00E-162 Hs.159673 0 Hs.159678 0 Hs.160271 1.00E-93 Hs.160273 0 Hs.160401 0 Hs.160405 1.00E-178	1 4 1 5 2 9 1 1 1 1 1 2 1 1 2	class-I MHC-restricted T cell associated mole ATP-binding cassette, sub-family D (ALD), mem FLJ21180 fis, clone CAS11176, highly sim surface glycoprotein, Ig superfamily member (wh78b11.x1 cDNA, 3' end /clone=IMAGE:2386845 death associated protein 3 (DAP3), mRNA /cds=(serine/threonine protein kinase sgk mRNA, com serum/glucocorticoid regulated kinase (SGK) wt04d12.x1 cDNA, 3' end /clone=IMAGE:2506487 tg05d07.x1 cDNA, 3' end /clone=IMAGE:2107885 wk31a11.x1 cDNA, 3' end /clone=IMAGE:2413916 UI-H-BI4-apx-b-11-0-UI.s1 cDNA, 3' end /clon tg24a07.x1 cDNA, 3' end /clone=IMAGE:2109684 G protein-coupled receptor 48 (GPR48), mRNA / tg25b10.x1 cDNA, 3' end /clone=IMAGE:2109787 tg05f08.x1 cDNA, 3' end /clone=IMAGE:2107911 tg11d08.x1 cDNA, 3' end /clone=IMAGE:2108463

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463F12	688	1425	AF218032	Hs.160422 0	1	clone PP902 unknown mRNA /cds=(693,1706) /gb=
165C1	2625	2987	X85116	Hs.160483 0	1	H.sapiens epb72 gene exon 1 /cds=(61,927) /gb=X85116 /gi=1
469G4	145	550	AI634652	Hs.160795 0	1	wa07e10.x1 cDNA, 3' end /clone=IMAGE:2297418
472C7	343	565	AI760020	Hs.160951 1.00E-105	1	wh83b05.x1 cDNA, 3' end /clone=IMAGE:2387313
466F12	485	662	BF207290	Hs.160954 2.00E-62	1	601870777F1 cDNA, 5' end /clone=IMAGE:4100850
					•	outer of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of the top of th
477C10	5	290	BF437585	Hs.160980 1.00E-149	1	7p74d12.x1 cDNA, 3' end /clone=IMAGE:3651526
61E8	4435	6593	U83115	Hs.161002 0	3	non-lens beta gamma-crystallin like protein (AIM1) m
458E5	1	462	R84314	Hs.161043 1.00E-159	1	yq23a02.r1 cDNA, 5' end /clone=IMAGE:274443 /
466E12	117	447	BF001821	Hs.161075 0	1	7g93g02.x1 cDNA, 3' end /clone=IMAGE:3314066
102H4	7	219	AW963155	Hs.161786 1.00E-111	1	EST375228 /gb=AW963155 /gi=8152991 /ug=
118B6	2050	2260	NM_022570	Hs.161786 2.00E-75	1	C-type (calcium dependent, carbohydrate-reco
593C4	3863	4092	U86453	Hs.162808 9.00E-92	1	phosphatidylinositol 3-kinase catalytic subunit p1
467B7	129	455	AI023714	Hs.163442 1.00E-164	1	ow91h05.x1 cDNA, 3' end /clone=IMAGE:1654233
107G8	592	1016	AK023670	Hs.163495 0	1	FLJ13608 fis, clone PLACE1010628 /cds=UNK
74F3	229	449	AA627122	Hs.163787 4.00E-77	1	nq70g02.s1 cDNA, 3' end /clone=IMAGE:1157714
68B3	1094	1771	AK023494	Hs.164005 0	5	FLJ13432 fis, clone PLACE1002537 /cds=UNK
469H10	420	850	NM_002993	Hs.164021 0	1	small inducible cytokine subfamily B (Cys-X-C
464E9	86	424	AA811244	Hs.164168 1.00E-166	1	* * *
467E11	788	1330	NM_007063	Hs.164170 0		ob58h11.s1 cDNA, 3' end /clone=IMAGE:1335621
597C5	59	1251	_		1	vascular Rab-GAP/TBC-containing (VRP), mRNA
39763	59	1251	AY007135	Hs.164280 1.00E-126	3	clone CDABP0051 mRNA sequence /cds=(89,985) /
464H11	2	202	BF689700	Hs.164675 9.00E-65	1	602186609F1 cDNA, 5' end /clone=IMAGE:4298402
459D5	6	496	Al248204	Hs.165051 0	1	qh64h11.x1 cDNA, 3' end /clone=IMAGE:1849509
120F12	23	502	NM_001017	Hs.165590 1.00E-159	5	ribosomal protein S13 (RPS13), mRNA /cds=(32,4
469C11	301	613	AW364833	Hs.165681 1.00E-136	1	QV3-DT0043-211299-044-d03 cDNA /gb=AW364833
40500	200	404	41700000			
465D3	289	481	AI766638	Hs.165693 2.00E-62	1	wi02a10.x1 cDNA, 3' end /clone=IMAGE:2389050
465D6	107	238	AW850041	Hs.165695 3.00E-61	1	IL3-CT0216-170300-097-C07 cDNA /gb=AW850041
466C7	166	421	AI538546	Hs.165696 1.00E-122	1	td08b07.x1 cDNA, 3' end /clone=IMAGE:2075029
469C4	351	691	AI436561	Hs.165703 1.00E-148	1	ti03b03.x1 cDNA, 3' end /clone=IMAGE:2129357
62A12	32	256	AV727063	Hs.165980 1.00E-120		AV727063 cDNA, 5' end /clone=HTCCED11 /clone_
			,	1.01.00000 1.002 120	_	74727000 051474, 0 CHa /olotte=11700E511700He_
107C2	2427	2613	AJ250865	Hs.165986 1.00E-82	1	for TESS 2 protein (TESS /cds=(128,1393) /
461D5	1762	1935	NM_004031	Hs.166120 8.00E-81	1	interferon regulatory factor 7 (IRF7), transc
147D11	38	1283	AL022097	Hs.166203 0	5	DNA sequence from PAC 256G22 on chromosome
						6p24
595H12	1321	1597	NM_002636	Hs.166204 1.00E-135	2	PHD finger protein 1 (PHF1), mRNA /cds=(56,1429
58H7	41	2036	AL136711	Hs.166254 0	2	mRNA; cDNA DKFZp566I133 (from clone DKFZp566I1
98D12	5559	6110	NM_014646	Hs.166318 0	1	lipin 2 (LPIN2), mRNA /cds=(239,2929) /gb=NM_0
468G1	146	509	AW873324	Hs.166338 1.00E-168	2	hl92a07.x1 cDNA, 3' end /clone=IMAGE:3009396
477D7	2900	3748	L14922	Hs.166563 0	1	DNA-binding protein (PO-GA) mRNA, complete cd
177E7	3265	3595	L23320	Hs.166563 0	1	replication factor C large subunit mRNA, complete cds
584H2	206	1613	NM_006925	Hs.166975 1.00E-112	5	splicing factor, arginine/serine-rich 5 (SFR
481F5	647	917	NM_002643	Hs.166982 1.00E-128	1	phosphatidylinositol glycan, class F (PIGF),
598E4	112	538	NM_002788	Hs.167106 1.00E-174	1	proteasome (prosome, macropain) subunit, alp
466D8	46	470	Al805131	Hs.167206 0	1	td11f04.x1 cDNA, 3' end /clone=IMAGE:2075359
464C8	342	469	BE674762	Hs.167208 4.00E-50	1	7e98d05.x1 cDNA, 3' end /clone=IMAGE:3293193
468A6	1177	1417	NM_003658	Hs.167218 4.00E-85	1	BarH-like homeobox 2 (BARX2), mRNA /cds=(96,93

74H10	1	1271	AF107405	Hs.167460 0	12	pro mPNA onliging factor (SERS2) mPNA comple
60E9	3154	3926	U43185	Hs.167503 1.00E-143	2	pre-mRNA splicing factor (SFRS3) mRNA, comple signal transducer and activator of transcription Sta
OOLS	3134	3320	043103	115.107505 1.00E-145	2	signal transducer and activator of transcription Sta
517G3	1129	2787	NM_006994	Hs.167741 0	3	butyrophilin, subfamily 3, member A3 (BTN3A3),
175 H 2	2261	2467	U90548	Hs.167741 2.00E-86	1	butyrophilin (BTF3) mRNA, complete cds /cds=(171,192
588H5	1324	1735	NM_002901	Hs.167791 0	1	reticulocalbin 1, EF-hand calcium binding dom
331D7	53	625	AF116909	Hs.167827 4.00E-22	1	clone HH419 unknown mRNA /cds=(189,593) /gb=A
						, , ,
39C11	938	1672	AF026402	Hs.168103 0	1	U5 snRNP 100 kD protein mRNA, cds /cds=(39,2501
583C8	906	1669	NM_004818	Hs.168103 0	5	prp28, U5 snRNP 100 kd protein (U5-100K), mRNA
43B1	1156	1224	AF031167	Hs.168132 1.00E-22	1	interleukin 15 precursor (IL-15) mRNA, complet
479A7	424	801	NM_000585	Hs.168132 1.00E-149	1	interleukin 15 (IL15), mRNA /cds=(316,804) /g
67D6	1783	2336	AK024030	Hs.168232 0	1	FLJ13968 fis, clone Y79AA1001493, weakly
122H3	1646	2894	NM_023079	Hs.168232 0	2	hypothetical protein FLJ13855 (FLJ13855), mR
459H3	9	504	Al392830	Hs.168287 0	1	tg10b09.x1 cDNA, 3' end /clone=IMAGE:2108345
463G5	103	851	NM_003002	Hs.168289 0	1	succinate dehydrogenase complex, subunit D,
144G9	5588	5937	AL049935	Hs.168350 0	2	DKFZp564O1116 (from clone DKFZp564O
459A9	2293	2727	NM_000201	Hs.168383 0	2	intercellular adhesion molecule 1 (CD54), hum
123G3	2194	2675	AB046801	Hs.168640 0	2	mRNA for KIAA1581 protein, partial cds /cds=(0
112H10	505	864	AF007155	Hs.168694 1.00E-175	2	clone 23763 unknown mRNA, partial cds /cds=(0,
60H7	223	897	AF083420	Hs.168913 0	1	brain-specific STE20-like protein kinase 3 (
105C12	1698	2052	AK026671	Hs.169078 1.00E-176	1	FLJ23018 fis, clone LNG00903 /cds=(27,14
181B9	1148	1610	NM 003937	Hs.169139 0	1	kynureninase (L-kynurenine hydrolase) (KYNU)
462B7	13	478	AA977148	Hs.169168 0	1	oq24g08.s1 cDNA, 3' end /clone=IMAGE:1587326
41H5	197	624	U58913	Hs.169191 0	1	· -
						chemokine (hmrp-2a) mRNA, complete cds /cds=(71,484)
69G6	11	552	BF214508	Hs.169248 1.00E-160		601845758F1 cDNA, 5' end /clone=IMAGE:4076510
460B2	904	2904	NM_003202	Hs.169294 1.00E-161	2	transcription factor 7 (T-cell specific, HMG-
464G12	543	994	D26121	Hs.169303 0	1	mRNA for ZFM1 protein alternatively spliced product,
464B5	163	762	NM_013259	Hs.169330 0	1	neuronal protein (NP25), mRNA /cds=(49,897) /
593G4	787	1353	Z97989	Hs.169370 0	2	DNA sequence from PAC 66H14 on chromosome 6q21-22. Con
165F12	1177	1751	AK001725	Hs.169407 0	1	cDNA FLJ10863 fis, clone NT2RP4001575, highly
483B12	10871	11349	NM_004010	Hs.169470 0	1	dystrophin (muscular dystrophy, Duchenne and
518B3	22	1257	NM_002046	Hs.169476 0	5	glyceraldehyde-3-phosphate dehydrogenase (
67E7	1289	1597	U34995	Hs.169476 3.00E-88	1	normal keratinocyte substraction library mRNA, clon
47E9	2148	2452	NM_005461	Hs.169487 1.00E-172	1	Kreisler (mouse) maf-related leucine zipper h
69C3	846	3195	U41387	Hs.169531 0	24	Gu protein mRNA, partial cds /cds=(0,2405) /gb=U41387
468G7	73	450	Al523598	Hs.169541 1.00E-178	1	th08g11.x1 cDNA, 3' end /clone=IMAGE:2117732
72E12	490	3074	AJ251595	Hs.169610 0	29	for transmembrane glycoprotein (CD44 gen
471F2	97	533	AW172306	Hs.169738 0	1	xj37a08.x1 cDNA, 3' end /clone=IMAGE:2659382
589D4	96	488	NM_000994	Hs.169793 1.00E-163	2	ribosomal protein L32 (RPL32), mRNA /cds=(34,4
105B6	1590	2215	AK027212	Hs.169854 0	1	FLJ23559 fis, clone LNG09844 /cds=UNKNOW
462A8	1043	1529	NM_000305	Hs.169857 0	1	paraoxonase 2 (PON2), mRNA /cds=(32,1096) /gb
175D11	390	929	AF061736	Hs.169895 1.00E-132	2	ubiquitin-conjugating enzyme RIG-B mRNA, com
149A2	2442	2942	U75686	Hs.169900 0	1	polyadenylate binding protein mRNA, complete
524B9	2484	2709	NM_007049	Hs.169963 1.00E-125	2	butyrophilin, subfamily 2, member A1 (BTN2A1),
169G8	1192	1684	U90543	Hs.169963 0	1	butyrophilin (BTF1) mRNA, complete cds /cds=(210,179
129E9	686	1227	X70340	Hs.170009 0	1	transforming growth factor alpha /cds=(3
589C1	1893	3451	NM_004350	Hs.170019 0	5	runt-related transcription factor 3 (RUNX3),

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				,		
331E1	5084	5496	NM_001621	Hs.170087 0	1	aryl hydrocarbon receptor (AHR) mRNA /cds=(643
595H7	659	4185	NM_002838	Hs.170121 0	34	protein tyrosine phosphatase, receptor type,
184G8	1083	3762	Y00062	Hs.170121 0	10	T200 leukocyte common antigen (CD45, LC-A) /c
109D4	4529	4876	AF032885	Hs.170133 0	1	forkhead protein (FKHR) mRNA, complete cds /cd
98A12	4529	4882	NM_002015	Hs.170133 1.00E-160	1	forkhead box O1A (rhabdomyosarcoma) (FOXO1A),
30/1/2	4023	4002	14111_002010			• •
99E3	2098	2334	NM_004761	Hs.170160 1.00E-125	1	RAB2, member RAS oncogene family-like (RAB2L),
498F10	3472	4909	AL161952	Hs.170171 0	28	mRNA; cDNA DKFZp434M0813 (from clone DKFZp434M
465G7	390	462	AI475666	Hs.170288 2.00E-31	1	tc93c08.x1 cDNA, 3' end /clone=IMAGE:2073710
467E6	68	482	AK025743	Hs.170296 0	1	cDNA: FLJ22090 fis, clone HEP16084 /cds=UNKNOW
459H9	4659	5168	NM_014636	Hs.170307 0	1	Ral guanine nucleotide exchange factor RalGPS
38D9	618	992	D89678	Hs.170311 0	25	for A+U-rich element RNA binding factor,
589F11	1033	2022	NM 005463	Hs.170311 0	13	heterogeneous nuclear ribonucleoprotein D-l
469B9	127	573	Al436418	Hs.170326 0	1	ti01h02.x1 cDNA, 3' end /clone=IMAGE:2129235
183E4	2725	3777	NM_002444	Hs.170328 0	7	moesin (MSN), mRNA /cds=(100,1833) /gb=NM_002
10364	2125	3/1/	14101_002+++	110.170020	·	, , , , , , , , , , , , , , , , , , , ,
170G2	1693	3305	Z98946	Hs.170328 0	4	DNA sequence from clone 376D21 on chromosome Xq11.1-12
464F6	162	534	Al492865	Hs.170331 1.00E-163	1	th78a05.x1 cDNA, 3' end /clone=IMAGE:2124752
472F8	412	554	Al373163	Hs.170333 1.00E-75	1	gz13a07.x1 cDNA, 3' end /clone=IMAGE:2021364
473C3	376	610	AW291507	Hs.170381 1.00E-123	1	UI-H-BI2-aga-g-11-0-UI.s1 cDNA, 3' end /clon
465E5	421	547	BE676049	Hs.170584 3.00E-54	1	7f21a03.x1 cDNA, 3' end /clone=IMAGE:3295276
		202	Al475884	Hs.170587 4.00E-92	2	tc95c12.x1 cDNA, 3' end /clone=IMAGE:2073910
477A3	25		Al475905	Hs.170588 0	1	tc95f06.x1 cDNA, 3' end /clone=IMAGE:2073923
477A4	34	489		Hs.170777 2.00E-84	1	tm53e03.x1 cDNA, 3' end /clone=IMAGE:2161852
469F2	238	490	Al478556		1	tm30a05.x1 cDNA, 3' end /clone=IMAGE:2158064
472C5	357	474	AI479022	Hs.170784 1.00E-53		tg06f12.x1 cDNA, 3' end /clone=IMAGE:2108015
477D6	23	407	Al492034	Hs.170909 0	2	tg07e06.x1 cDNA, 3' end /clone=IMAGE:2108098
471D4	187	416	Al492181	Hs.170913 1.00E-106		qz18b10.x1 cDNA, 3' end /clone=IMAGE:2021851
464F8	14	142	Al492651	Hs.170934 7.00E-53	1	
466D3	173	461	AI540204	Hs.170935 1.00E-131		td10h12.x1 cDNA, 3' end /clone=IMAGE:2075303
478F10	314	461	AI761144	Hs.171004 4.00E-45	1	wh97h01.x1 cDNA, 3' end /clone=IMAGE:2388721
476E2	187	253	AI494612	Hs.171009 2.00E-30	2	qz17a03.x1 cDNA, 3' end /clone=IMAGE:2021740
107G12	2413	2929	AK024436	Hs.171118 0	1	for FLJ00026 protein, partial cds /cds=(0
478H3	1237	1509	AL161725	Hs.171118 1.00E-107	1	DNA sequence from clone RP11-165F24 on chromosome 9.
477H10	252	489	BE674709	Hs.171120 3.00E-87	1	7e94f05.x1 cDNA, 3' end /clone=IMAGE:3292833
477H11	18	521	AI524202	Hs.171122 0	1	th10d11.x1 cDNA, 3' end /clone=IMAGE:2117877
466C10	24	216	BE816212	Hs.171261 8.00E-81	1	MR1-BN0212-280600-001-c06 cDNA /gb=BE816212
470A4	22	562	AI628893	Hs.171262 0	1	ty95h02.x1 cDNA, 3' end /clone=IMAGE:2286867
477C4	216	464	AI540161	Hs.171264 1.00E-112	2	td10c10.x1 cDNA, 3' end /clone=IMAGE:2075250
519E12	1	321	NM_016468	Hs.171566 1.00E-167	2	hypothetical protein (LOC51241), mRNA /cds=(
44C11	5363	5829	AF012872	Hs.171625 0	1	phosphatidylinositol 4-kinase 230 (pi4K230)
517D4	19	559	NM_003197	Hs.171626 0	3	transcription elongation factor B (SIII), pol
48E9	1563	1809	NM 004417	Hs.171695 1.00E-138	3 2	dual specificity phosphatase 1 (DUSP1), mRNA
520H5	941	3667	NM_002719	Hs.171734 0	2	protein phosphatase 2, regulatory subunit B (
106G2	1	308	BF243010	Hs.171774 1.00E-167	7 2	601877795F1 cDNA, 5' end /clone=IMAGE:4106303
		359	NM_015933	Hs.171774 0	14	hypothetical protein (HSPC016), mRNA /cds=(3
524A7	14		BF966361	Hs.171802 1.00E-143		602286929F1 cDNA, 5' end /clone=IMAGE:4375783
117A11	311	614	DI 900301	113.11 1002 1.00E-140		
38H11	885	2087	M55543	Hs.171862 0	6	guanylate binding protein isoform II (GBP-2) mRNA, co

				•	•	
512F8	232	1971	NM_004120	Hs.171862 0	12	guanylate binding protein 2, interferon-induc
111B9	3748	4161	NM_004941	Hs.171872 0	1	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide
192H11	5738	5903	NM_000937	Hs.171880 2.00E-68	1	polymerase (RNA) II (DNA directed) polypeptide
176F11	1322	4789	AL109935	Hs.171917 0	3	DNA sequence from clone RP5-1022P6 on chromosome 20 C
596G12	2472	3152	NM_001110	Hs.172028 0	5	a disintegrin and metalloproteinase domain 10
170A5	2438	2767	AK023154	Hs.172035 0	1	FLJ13092 fis, clone NT2RP3002147 /cds=(34
469D11	71	535	AI474074	Hs.172070 0	1	ti68h11.x1 cDNA, 3' end /clone=IMAGE:2137221
100G4	5574	5662	U02882	Hs.172081 3.00E-24	1	rolipram-sensitive 3',5'-cyclic AMP phosphodiester
524A11	1	2517	AL110202	Hs.172089 0	20	mRNA; cDNA DKFZp586I2022 (from clone DKFZp586
49A2	929	2845	NM_002568	Hs.172182 0	30	poly(A)-binding protein, cytoplasmic 1 (PABP
54C5	929	2484	Y00345	Hs.172182 0	9	polyA binding protein /cds=(502,2403) /gb=Y0
586B1	1042	1504	NM_002408	Hs.172195 0	1	mannosyl (alpha-1,6-)-glycoprotein beta-1,2
169H6	5576	5958	D25538	Hs.172199 0	1	KIAA0037 gene, complete cds /cds=(265,3507)
115G7	4531	4976	NM_001114	Hs.172199 0	1	adenylate cyclase 7 (ADCY7), mRNA /cds=(265,35
120F2	1	2496	NM_007363	Hs.172207 0	11	non-POU-domain-containing, octamer-binding
74A3	860	1364	Y11289	Hs.172207 0	1	p54nrb gene, exon 3 (and joined /cds=(136,1551)
60B7	695	1160	NM_000202	Hs.172458 0	1	iduronate 2-sulfatase (Hunter syndrome) (IDS
479D10	4059	4347	NM_000632	Hs.172631 1.00E-125	1	integrin, alpha M (complement component recep
167B10	1	389	NM_003761	Hs.172684 0	4	vesicle-associated membrane protein 8 (endob
189E11	1773	2038	NM_001345	Hs.172690 1.00E-149	2	diacylglycerol kinase, alpha (80kD) (DGKA), m
177C2	983	1489	X62535	Hs.172690 0	1	diacylglycerol kinase /cds=(103,2310)
458B12	535	1002	NM_012326	Hs.172740 0	1	microtubule-associated protein, RP/EB family
53A11	69	430	W26908	Hs.172762 1.00E-180	1	16b3 /gb=W26908 /gi=1306136 /ug=Hs.17276
151H2	2016	2572	M80359	Hs.172766 0	1	protein p78 mRNA, complete cds /cds=(171,2312) /gb=M8
100G10	3983	4302	AB037808	Hs.172789 1.00E-149	1	for KIAA1387 protein, partial cds /cds=(0
515D9	354	548	NM_004182	Hs.172791 3.00E-65	1	ubiquitously-expressed transcript (UXT), mR
193D9	2282	2757	AL109669	Hs.172803 0	3	mRNA full length insert cDNA clone EUROIMAGE 31
460H10	12	490	NM_016466	Hs.172918 0	1	hypothetical protein (LOC51239), mRNA /cds=(
483D3	3473	3941	AB011102	Hs.173081 0	1	mRNA for KIAA0530 protein, partial cds /cds=(0,
195B9	380	854	NM_005729	Hs.173125 0	2	peptidylprolyl isomerase F (cyclophilin F) (
173H6	6008	6412	NM_006283	Hs.173159 0	1	transforming, acidic coiled-coil containing
113E6	142	240	AI554733	Hs.173182 3.00E-49	1	tn27f08.x1 cDNA, 3' end /clone=IMAGE:2168871
56G8	140	630	AK002009	Hs.173203 0	2	FLJ11147 fis, clone PLACE1006678, weakly
69 E 6	1	463	BF131656	Hs.173205 1.00E-147	8	601820483F1 cDNA, 5' end /clone=IMAGE:4052348
44A2	6	196	X06347	Hs.173255 1.00E-94	1	U1 small nuclear RNP-specific A protein /cds=
149G1	79	498	AY007165	Hs.173274 1.00E-117	2	clone CDABP0163 mRNA sequence /cds=UNKNOWN /g
464F3	53	500	AW005376	Hs.173280 0	1	ws94a12.x1 cDNA, 3' end /clone=IMAGE:2505598
587H5	3299	4083	NM_014633	Hs.173288 0	2	KIAA0155 gene product (KIAA0155), mRNA /cds=(
499B9	1032	1923	NM_012081	Hs.173334 0	2	ELL-RELATED RNA POLYMERASE II, ELONGATION FAC
54F11	368	1923	U88629	Hs.173334 0	2	RNA polymerase II elongation factor ELL2, complete cd
459A4	2170	2775	AK001362	Hs.173374 0	1	cDNA FLJ10500 fis, clone NT2RP2000369 /cds=UNK
124B1	2566	3019	AB046825	Hs.173422 0	1	mRNA for KIAA1605 protein, partial cds /cds=(3
126H6	1080	1626	NM_006363	Hs.173497 0	1	Sec23 (S. cerevisiae) homolog B (SEC23B), mRNA
596D5	1233	1365	NM_004550	Hs.173611 8.00E-63	5	NADH dehydrogenase (ubiquinone) Fe-S protein
108C5	1709	1864	AK022681	Hs.173685 2.00E-83	1	FLJ12619 fis, clone NT2RM4001682 /cds=(39

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				-	-	
583D12	3	1960	AK025703	Hs.173705 0	4	cDNA: FLJ22050 fis, clone HEP09454 /cds=UNKNOW
70B6	579	1140	AL049610	Hs.173714 0	2	DNA sequence from clone 1055C14 on chromosome Xq22.1-
46D7	590	1150	NM_012286	Hs.173714 0	1	MORF-related gene X (KIAA0026), mRNA /cds=(305
467G5	17	283	AA534537	Hs.173720 1.00E-104	1	nf80h10.s1 cDNA, 3' end /clone=IMAGE:926275 /
168H5	1	1066	D25274	Hs.173737 0	5	mRNA, clone:PO2ST9 /cds=UNKNOWN /gb=D25274 /
471B8	5347	5922	NM_014832	Hs.173802 0	1	KIAA0603 gene product (KIAA0603), mRNA /cds=(
177F4	1053	1622	U51166	Hs.173824 0	1	G/T mismatch-specific thymine DNA glycosylase mRNA,
471C3	396	719	AF277292	Hs.173840 1.00E-176	1	C4orf1 mRNA /cds=(0,281) /gb=AF277292 /gi=96
477F7	2053	2694	U80735	Hs.173854 0	3	CAGF28 mRNA, partial cds /cds=(0,2235) /gb=U80
41F3	3595	3890	M37435	Hs.173894 1.00E-143	1	macrophage-specific colony-stimulating factor (CSF
460C8	1542	1939	NM_014225	Hs.173902 0	1	protein phosphatase 2 (formerly 2A), regulator
458A9	292	414	AI763121	Hs.173904 4.00E-57	1	wi06d12.x1 cDNA, 3' end /clone=IMAGE:2389463
170B10	1230	3510	AL137681	Hs.173912 1.00E-176	5	cDNA DKFZp434M0326 (from clone DKFZp434M
126E10	1061	1795	Z17227	Hs.173936 1.00E-111	2	mRNA for transmebrane receptor protein /cds=(4
72H7	1210	1907	U08316	Hs.173965 0	2	insulin-stimulated protein kinase 1 (ISPK-1) mRNA, c
123G7	554	858	NM_005777	Hs.173993 1.00E-168	1	RNA binding motif protein 6 (RBM6), mRNA /cds=(
469C8	261	528	BE674902	Hs.174010 1.00E-113	1	7e97a04.x1 cDNA, 3' end /clone=IMAGE:3293070
117G6	2450	2657	NM_003089	Hs.174051 1.00E-112	1	small nuclear ribonucleoprotein 70kD polypept
103A5	4907	5011	NM_002209	Hs.174103 1.00E-48	1	integrin, alpha L (antigen CD11A (p180), lymph
159F4	333	925	AF261087	Hs.174131 0	7	DNA-binding protein TAXREB107 mRNA, complete
588F9	333	926	NM_000970	Hs.174131 0	8	ribosomal protein L6 (RPL6), mRNA /cds=(26,892
187A2	2993	3464	NM_001096	Hs.174140 0	2	ATP citrate lyase (ACLY), mRNA /cds=(84,3401)
41C6	3652	3992	X03663	Hs.174142 0	1	c-fms proto-oncogene /cds=(300,3218) /gb=X0
465G10	199	489	BE674951	Hs.174144 1.00E-152	1	7e97g10.x1 cDNA, 3' end /clone=IMAGE:3293154
468H10	28	159	AI524263	Hs.174193 6.00E-62	1	th11g07.x1 cDNA, 3' end /clone=IMAGE:2118012
99C7	402	733	NM_006435	Hs.174195 1.00E-179	2	interferon induced transmembrane protein 2 (
467E4	162	516	BF062628	Hs.174215 1.00E-157	1	7h62h05.x1 cDNA, 3' end /clone=IMAGE:3320601
74E5	2	485	D63789	Hs.174228 0	15	DNA for SCM-1beta precursor, complete cds /cd
470F11	108	305	AI590337	Hs.174258 1.00E-104	1	tn49c03.x1 cDNA, 3' end /clone=IMAGE:2171716
463D2	1	194	AV734916	Hs.175971 1.00E-94	1	AV734916 cDNA, 5' end /clone=cdAAHE11 /clone_
477E5	75	222	Al380955	Hs.176374 2.00E-33	1	tg18b08.x1 cDNA, 3' end /clone=IMAGE:2109111
473A9	1	296	AI708327	Hs.176430 1.00E-162	1	at04c02.x1 cDNA, 3' end /clone=IMAGE:2354114
468C3	24	235	AW081098	Hs.176498 6.00E-91	1	xc29a12.x1 cDNA, 3' end /clone=IMAGE:2585662
479D11	595	1810	J04162	Hs.176663 0	14	leukocyte IgG receptor (Fc-gamma-R) mRNA, complete c
108G2	388	579	AI638800	Hs.176920 6.00E-78	4	tt32e01.x1 cDNA, 3' end /clone=IMAGE:2242488
467A10	98	170	AI865603	Hs.177045 6.00E-27	1	wk47g03.x1 cDNA, 3' end /clone=IMAGE:2418580
117A6	1179	1403	AF116606	Hs.177415 1.00E-112	2	PRO0890 mRNA, complete cds /cds=(1020,1265) /
73F2	236	919	NM_016406	Hs.177507 0	4	hypothetical protein (HSPC155), mRNA /cds=(2
516D8	24	340	NM_006886	Hs.177530 1.00E-179	1	ATP synthase, H+ transporting, mitochondrial
479F4	163	676	NM_002414	Hs.177543 0	1	antigen identified by monoclonal antibodies 1
126A9	906	2105	NM_005534	Hs.177559 0	35	interferon gamma receptor 2 (interferon gamma
41H6	905	1826	U05875	Hs.177559 0	10	clone pSK1 interferon gamma receptor accessory factor
37G1	1690	2420	U62961	Hs.177584 0	1	succinyl CoA:3-oxoacid CoA transferase precursor (O
597H7	1764	2520	AF218002	Hs.177596 0	7	clone PP2464 unknown mRNA /cds=(675,2339) /gb

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

520B8	1036	1202	NM_006888	Hs.177656 4.00E-90	3	calmodulin 1 (phosphorylase kinase, delta) (C
151G7	2439	3048	J03473	Hs.177766 0	1	poly(ADP-ribose) synthetase mRNA, complete cds /cds=
116C6	318	834	BC001980	Hs.177781 1.00E-144	4	clone MGC:5618, mRNA, complete cds /cds=(156,
179C11	211	737	X07834	Hs.177781 0	3	manganese superoxide dismutase (EC 1 15.1.1)
98A9	213	648	M73547	Hs.178112 0	4	polyposis locus (DP1 gene) mRNA, complete cds /cds=(82
459E10	149	789	AK023719	Hs.178357 0	1	cDNA FLJ13657 fis, clone PLACE1011563 /cds=(8
120H6	137	404	NM_021029	Hs.178391 1.00E-136		ribosomal protein L44 (RPL44), mRNA /cds=(37,3
589E9	371	596	NM_000973	Hs.178551 1.00E-125		ribosomal protein L8 (RPL8), mRNA /cds=(43,816
142F5	1848	2210	D21090	Hs.178658 1.00E-179		XP-C repair complementing protein (p58/HHR23
120H11	402	532	AV716627	Hs.178703 9.00E-69	1	AV716627 cDNA, 5' end /clone=DCBBCH05 /clone_
98G11	3287	6017	NM_004859	Hs.178710 0	5	clathrin, heavy polypeptide (Hc) (CLTC), mRNA
177H1	142	421	BF130300	Hs.178732 1.00E-139	1	601818357F1 cDNA, 5' end /clone=IMAGE:4041902
472A10	421	562	AI681868	Hs.178784 4.00E-63	1	tx50a12.x1 cDNA, 3' end /clone=IMAGE:2272990
467G6	194	292	AW138461	Hs.179003 1.00E-49	1	UI-H-BI1-adg-e-06-0-UI.s1 cDNA, 3' end /clon
465C11	3312	3606	NM_016562	Hs.179152 1.00E-166	1	toll-like receptor 7 (LOC51284), mRNA /cds=(13
469F7	268	405	AI568459	Hs.179419 3.00E-45	1	tn39e07.x1 cDNA, 3' end /clone=IMAGE:2170020
99F11	750	2687	NM_006472	Hs.179526 0	73	upregulated by 1,25-dihydroxyvitamin D-3 (VD
39G9	526	2687	S73591	Hs.179526 0	17	brain-expressed HHCPA78 homolog VDUP1 (Gene)
102A1	2235	2659	AL034343	Hs.179565 0	1	DNA sequence from clone RP1-108C2 on chromosome 6p12.
492B2	1074	2126	NM_002717	Hs.179574 1.00E-131	3	protein phosphatase 2 (formerly 2A), regulator
143F2	242	457	NM_005771	Hs.179608 1.00E-117	1	retinol dehydrogenase homolog (RDHL]) mRNA /
111G7	626	898	NM_002659	Hs.179657 1.00E-153	1	plasminogen activator, urokinase receptor (P
585D2	61	3189	AL162068	Hs.179662 0	6	mRNA; cDNA DKFZp762G106 (from clone DKFZp762G1
125G4	1159	1627	NM_000389	Hs.179665 1.00E-130	2	cyclin-dependent kinase inhibitor 1A (p21, Ci
331A1	51	377	AK026642	Hs.179666 1.00E-161	2	FLJ22989 fis, clone KAT11824, highly sim
516H12	19	362	NM_000997	Hs.179779 1.00E-180	3	ribosomal protein L37 (RPL37), mRNA /cds=(28,3
170A11	1390	2087	L20298	Hs.179881 0	1	transcription factor (CBFB) mRNA, 3' end /cds=(
195H8	1732	2110	NM_001755	Hs.179881 1.00E-173	1	core-binding factor, beta subunit (CBFB), tra
127G6	2406	2924	AK022499	Hs.179882 0	2	cDNA FLJ12437 fis, clone NT2RM1000118, weakly
461E6	610	1148	NM_014153	Hs.179898 0	1	HSPC055 protein (HSPC055), mRNA /cds=(1400,19
516B3	4	584	NM_000975	Hs.179943 1.00E-136	2	ribosomal protein L11 (RPL11), mRNA /cds=(0,53
62F8	24	537	X79234	Hs.179943 1.00E-175	1	ribosomal protein L11 /cds=(0,536) /gb=
471B11	1990	2496	NM_005802	Hs.179982 0	1	tumor protein p53-binding protein (TP53BPL),
194B4	693	956	NM_004159	Hs.180062 1.00E-112	1	proteasome (prosome, macropain) subunit, bet
49D4	1002	1259	NM_002690	Hs.180107 1.00E-125	1	polymerase (DNA directed), beta (POLB), mRNA
184A11	26	515	AK024823	Hs.180139 0	2	FLJ21170 fis, clone CAS10946, highly sim
593A8	43	535	NM_006937	Hs.180139 0	13	SMT3 (suppressor of mif two 3, yeast) homolog 2
61D10	102	722	AF161415	Hs.180145 0	1	HSPC297 mRNA, partial cds /cds=(0,438) /gb=AF
178A4	131	628	NM_017924	Hs.180201 0	2	hypothetical protein FLJ20671 (FLJ20671), mR
463H9	54	171	NM_005507	Hs.180370 1.00E-60	1	cofilin 1 (non-muscle) (CFL1), mRNA /cds=(51,5
162B9	2139	2386	AB013382	Hs.180383 1.00E-124	1	for DUSP6, complete cds /cds=(351,1496) /
190B7	1743	2386	NM_001946	Hs.180383 1.00E-124	2	dual specificity phosphatase 6 (DUSP6), trans
589B11	21	1566	NM_006597	Hs.180414 0	11	heat shock 70kD protein 8 (HSPA8), mRNA /cds=(8
73G2	21	1567	Y00371	Hs.180414 0	16	hsc70 gene for 71 kd heat shock protein /cds=(83,2023)
62G1	985	1559	X89602	Hs.180433 0	1	rTS beta protein /cds=(17,1267) /gb=X896
98F9	1479	3653	L38951	Hs.180446 0	9	importin beta subunit mRNA, complete cds /cds=(

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

500540						
590F12	283	614	NM_001026	Hs.180450 0	1	ribosomal protein S24 (RPS24), mRNA /cds=(142,
597F2	2670	3046	AF187554	Hs.180532 0	47	sperm antigen-36 mRNA, complete cds /cds=(234,
482E2	85	366	AL571386	Hs.180546 1.00E-106		AL571386 cDNA /clone=CS0DI009YL09-(3-prime)
109C2	324	682	BE540238	Hs.180549 1.00E-143	1	601059809F1 cDNA, 5' end /clone=IMAGE:3446283
68G8	1447	3594	AF123094	Hs.180566 0	3	API2-MLT fusion protein (API2-MLT) mRNA, comp
180B9	1851	2142	NM_002087	Hs.180577 1.00E-160	2	granulin (GRN), mRNA /cds=(62,1843) /gb=NM_00
51E4	880	2466	NM_005066	Hs.180610 0	6	splicing factor proline/glutamine rich (poly
50G4	880	1280	X70944	Hs.180610 0	1	PTB-associated splicing factor /cds=(85
127C8	317	3175	AK023143	Hs.180638 0	5	cDNA FLJ13081 fis, clone NT2RP3002033 /cds=(17
125E2	287	1692	AL117621	Hs.180777 0	2	mRNA; cDNA DKFZp564M0264 (from clone
						DKFZp564
521F11	1969	2431	AF126964	Hs.180799 0	1	C3HC4-type zinc finger protein (LZK1) mRNA, co
479C11	1186	2245	AK000271	Hs.180804 1.00E-155	2	cDNA FLJ20264 fis, clone COLF7912 /cds=UNKNOWN
479C2	732	911	NM_001242	Hs.180841 3.00E-62	1	tumor necrosis factor receptor superfamily, m
596D2	67	942	NM_000977	Hs.180842 0	11	ribosomal protein L13 (RPL13), mRNA /cds=(51,6
41 E 9	884	1779	AL050337	Hs.180866 0	2	DNA sequence from clone 503F13 on chromosome
						6q24.1-25
196C10	679	1338	NM_000416	Hs.180866 0	2	interferon gamma receptor 1 (IFNGR1), mRNA /cd
99A10	1	1655	AF218029	Hs.180877 0	11	clone PP781 unknown mRNA /cds=(113,523) /gb=A
65H9	1	1320	Z48950	Hs.180877 0	6	hH3.3B gene for histone H3.3 /cds=(10,420) /gb=Z
160G1	2065	2538	AF045555	Hs.180900 0	2	wbscr1 (WBSCR1) and wbscr5 (WBSCR5) genes,
					2	com
596B1	5	860	NM_001008	Hs.180911 0	5	ribosomal protein S4, Y-linked (RPS4Y), mRNA
192F11	1857	2521	AK000299	Hs.180952 0	1	cDNA FLJ20292 fis, clone HEP05374 /cds=(21,140
75D10	94	1656	AY007118	Hs.181013 0	8	clone CDABP0006 mRNA sequence /cds=(20,784) /
46H2	105	1661	NM 002629	Hs.181013 0	5	phosphoglycerate mutase 1 (brain) (PGAM1), mR
107G10	4869	5527	AK024391	Hs.181043 0	1	FLJ14329 fis, clone PLACE4000259, highly
179A1	22	908	AK001934	Hs.181112 0	2	FLJ11072 fis, clone PLACE1004982 /cds=(2
118D5	610	1130	NM_014166	Hs.181112 0	1	HSPC126 protein (HSPC126), mRNA /cds=(25,837)
483D9	659	915	X57809	Hs.181125 1.00E-123	1	rearranged immunoglobulin lambda light chain mRNA
					·	/c
596B10	499	1198	NM_005517	Hs.181163 0	2	high-mobility group (nonhistone chromosomal)
74A12	34	1674	AK026650	Hs.181165 0	192	FLJ22997 fis, clone KAT11962, highly sim
99H8	1079	2742	BC001412	Hs.181165 0	260	eukaryotic translation elongation factor 1
70F10	144	840	AB015798	Hs.181195 0	1	HSJ2 mRNA for DnaJ homolog, complete cds /cds=
64E10	72	856	BC002446	Hs.181195 0	2	MRJ gene for a member of protein family, clone
597F6	1119	1767	NM_001675	Hs.181243 0	3	activating transcription factor 4 (tax-respon
109D8	825	1233	D32129	Hs.181244 0	1	HLA class-I (HLA-A26) heavy chain, complete c
593H10	465	1222	NM_016057	Hs.181271 0	3	CGI-120 protein (LOC51644), mRNA /cds=(37,570
127H10	4782	5154	AB020335	Hs.181300 0	1	Pancreas-specific TSA305 mRNA , complete cds
150F7	509	1238	M11353	Hs.181307 1.00E-175	5	H3.3 histone class C mRNA, complete cds /cds=(374,784)
127F7	895	1057	NM_002107	Hs.181307 3.00E-85	2	H3 histone, family 3A (H3F3A), mRNA /cds=(374,7
39H10	6	416	BF676042	Hs.181357 0	7	602084011F1 cDNA, 5' end /clone=IMAGE:4248195
99G12	193	842	NM_002295	Hs.181357 0	28	laminin recentor 1 (67kD, ribosomol protoin CA
66A12	312	1084	M20430	Hs.181366 0	4	laminin receptor 1 (67kD, ribosomal protein SA MHC class II HLA-DR-beta (DR2-DQw1/DR4 DQw3)
	J. <u>-</u>	.551	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		7	mRNA, co
71H11	748	1096	NM_002125	Hs.181366 1.00E-176	1	major histocompatibility complex, class II,
56E4	272	521	AI827911	Hs.181400 1.00E-126	1	wf34e11.x1 cDNA, 3' end /clone=IMAGE:2357516
170F6	5255	5724	D63486	Hs.181418 0	1	KIAA0152 gene, complete cds /cds=(128,1006)

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

464A11	5981	6322	NM_014730	Hs.181418 1.00E-159	1	KIAA0152 gene product (KIAA0152), mRNA /cds=(
514F6	1	232	AW955745	Hs.181426 1.00E-117	1	EST367815 cDNA /gb=AW955745 /gi=8145428 /ug=
177E2	690	947	U81002	Hs.181466 1.00E-130	2	TRAF4 associated factor 1 mRNA, partial cds /c
99B5	260	1660	NM_001549	Hs.181874 0	6	interferon-induced protein with tetratricope
595H9	104	645	M90356	Hs.181967 0	1	BTF3 protein homologue gene, complete cds /cds=(0,644
67E2	1057	1782	AK026664	Hs.182225 4.00E-85	3	FLJ23011 fis, clone LNG00572 /cds=(288,7
190A3	319	1615	NM_014052	Hs.182238 0	7	GW128 protein (GW128), mRNA /cds=(698,889) /g
140B10	1770	2034	U46751	Hs.182248 2.00E-92	1	phosphotyrosine independent ligand p62 for the Lck S
158H11	371	597	D50420	Hs.182255 1.00E-126	1	OTK27, complete cds /cds=(94,480) /gb
584A12	95	1397	NM_005008	Hs.182255 0	3	non-histone chromosome protein 2 (S. cerevisia
40G2	735	908	Y00503	Hs.182265 7.00E-41	1	keratin 19 /cds=(32,1234) /gb=Y00503 /gi=340
596E7	1	886	NM 001743	Hs.182278 0	3	calmodulin 2 (phosphorylase kinase, delta) (C
129E10	36	350	L29348	Hs.182378 1.00E-174	2	granulocyte-macrophage colony-stimulating
487G1	184	934	NM_002952	Hs.182426 0	3	ribosomal protein S2 (RPS2), mRNA /cds=(240,90
517G6	126	1497	_	Hs.182429 0	4	protein disulfide isomerase-related protein
60E12	10	1329	M16342	Hs.182447 0	4	•
00212	10	1329	W110342	115.102447 0	4	nuclear ribonucleoprotein particle (hnRNP) C protein
98E9	10	1184	NM_004500	Hs.182447 0	8	heterogeneous nuclear ribonucleoprotein C (
496A4	87	1835	NM_014394	Hs.182470 0	2	PTD010 protein (PTD010), mRNA /cds=(129,1088)
110F11	947	1571	AF061738	Hs.182579 0	2	leucine aminopeptidase mRNA, complete cds /cd
124E1	1330	1889	NM_005739	Hs.182591 0	2	RAS guanyl releasing protein 1 (calcium and DA
143B2	32	565	Z47087	Hs.182643 0	1	RNA polymerase II elongation factor-like
103D2	161	538	NM_001015	Hs.182740 8.00E-97	5	ribosomal protein S11 (RPS11), mRNA /cds=(15,4
331C2	1310	1585	D64015	Hs.182741 1.00E-136	1	for T-cluster binding protein, complete c
59E9	27	269	BF245224	Hs.182825 1.00E-105	1	601863885F1 cDNA, 5' end /clone=IMAGE:4082396
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	0510000001
525E3	12	261	NM_007209	Hs.182825 1.00E-135	2	ribosomal protein L35 (RPL35), mRNA /cds=(27,3
70C9	189	625	BE963551	Hs.182928 1.00E-129	1	601657346R1 cDNA, 3' end /clone=IMAGE:3866266
177B9	14	561	BF242969	Hs.182937 0	2	601877739F1 cDNA, 5' end /clone=IMAGE:4106289
519H3	34	526	NM_021130	Hs.182937 0	1	peptidylprolyl isomerase A (cyclophilin A) (
159A5	3163	3579	AK026491	Hs.182979 1.00E-141	2	FLJ22838 fis, clone KAIA4494, highly sim
106G11	2956	3527	AF204231	Hs.182982 1.00E-138	2	88-kDa Golgi protein (GM88) mRNA, complete cds
169A3	2117		M33336	Hs.183037 1.00E-105		cAMP-dependent protein kinase type I-alpha subunit (
				7.00		a um dependent protein kinase type i-aipha subunit (
124H9	2767	2955	NM_002734	Hs.183037 7.00E-91	1	protein kinase, cAMP-dependent, regulatory,
107B3	2877	3182	U17989	Hs.183105 1.00E-170	1	nuclear autoantigen GS2NA mRNA, complete cds /
476A6	538	893	NM_016523	Hs.183125 0	1	killer cell lectin-like receptor F1 (KLRF1), m
75A1	629	1222	AK001433	Hs.183297 0	1	FLJ10571 fis, clone NT2RP2003121, weakly
597E11	97	1656	AF248966	Hs.183434 0	5	HT028 mRNA, complete cds /cds=(107,1159) /gb=
124A2	2015	2756	AK024275	Hs.183506 0	1	cDNA FLJ14213 fis, clone NT2RP3003572 /cds=(11
74F2	2082	2418	U53347	Hs.183556 1.00E-177	2	neutral amino acid transporter B mRNA, complete cds
482C5	1211	1688	NM_018399	Hs.183656 0	1	VNN3 protein (HSA238982), mRNA /cds=(45,1550)
594H12	1718	3458	NM_001418	Hs.183684 0	4	eukaryotic translation initiation factor 4 g
61H11	1457	2024	U73824	Hs.183684 0	2	p97 mRNA, complete cds /cds=(306,3029) /gb=U73824 /g
75H7	342	2258	M26880	Hs.183704 0	7	ubiquitin mRNA, complete cds /cds=(135,2192) /gb=M26

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				-	•	
599E7	2306	3111	D44640	Hs.183706 0	6	HUMSUPY040 cDNA /clone=035-00-1 /gb=D44640 /
518H4	1554	1973	NM_002078	Hs.183773 0	1	golgi autoantigen, golgin subfamily a, 4 (GOL
520C3	98	255	NM_018955	Hs.183842 3.00E-64	1	ubiquitin B (UBB), mRNA /cds=(94,783) /gb=NM_
102C11	1730	1808	M15182	Hs.183868 8.00E-33	2	beta-glucuronidase mRNA, complete cds /cds=(26,1981
523D3	1730	2183	NM_000181	Hs.183868 0	2	glucuronidase, beta (GUSB), mRNA /cds=(26,198
187A12	122	828	NM_003589		1	cullin 4A (CUL4A), mRNA /cds=(160,2139) /gb=N
156F4	228	907	AF119665	Hs.184011 0	4	inorganic pyrophosphatase complete cds
525B8	225	791	NM_021129	Hs.184011 0	2	pyrophosphatase (inorganic) (PP), nuclear ge
589B1	3	394	NM_000993		10	ribosomal protein L31 (RPL31), mRNA /cds=(7,38
99D6	3909	4308	NM 004985			v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene
166B3	12	345	BE964596	Hs.184052 1.00E-90	1	601658521R1 cDNA, 3' end /clone=IMAGE:3885796
591G6	1348	1958	NM_022152	Hs.184052 0	3	PP1201 protein (PP1201), mRNA /cds=(66,1001)
114E11	1780	1942	AK025645	Hs.184062 4.00E-59	1	cDNA: FLJ21992 fis, clone HEP06554 /cds=(60,84
597E4	8	407	NM_000982	Hs.184108 1.00E-114	6	ribosomal protein L21 (gene or pseudogene) (RP
162C5	295	1062	L41887	Hs.184167 0	3	splicing factor, arginine/serine-rich 7 (SFR
109F6	151	749	AF054182	Hs.184211 0	1	mitochondrial processing peptidase beta-subu
462C6	4590	5087	NM_015001	Hs.184245 0	1	KIAA0929 protein Msx2 interacting nuclear tar
517D1	1510	1936	NM_004252	Hs.184276 1.00E-162	7	solute carrier family 9 (sodium/hydrogen exch
55E3	174	427	NM_018370	Hs.184465 1.00E-107	1	hypothetical protein FLJ11259 (FLJ11259), mR
50F9	2484	3108	AB023182	Hs.184523 0	1	for KIAA0965 protein, partial cds /cds=(0
100A4	297	1941	AK025730	Hs.184542 1.00E-149	3	FLJ22077 fis, clone HEP12728, highly sim
113D4	950	1623	NM_016061	Hs.184542 0	1	CGI-127 protein (LOC51646), mRNA /cds=(125,49
145D11	41	339	BE730026	Hs.184582 1.00E-111	1	601562642F1 cDNA, 5' end /clone=IMAGE:3832258
595F4	69	548	NM_000986	Hs.184582 0	1	ribosomal protein L24 (RPL24), mRNA /cds=(39,5
108H10	250	701	U00946	Hs.184592 0	1	clone A9A2BRB5 (CAC)n/(GTG)n repeat-containing mRN
43B5	4399	4488	AF104032	Hs.184601 3.00E-24	1	L-type amino acid transporter subunit LAT1 mRN
104F12	298	1713	NM 014999	Hs.184627 0	2	KIAA0118 protein (KIAA0118), mRNA /cds=(255,9
122E8	513	995	AF035307	Hs.184697 0	2	clone 23785 mRNA sequence /cds=UNKNOWN /gb=AF
40H2	66	2605	M37197	Hs.184760 1.00E-177	4	CCAAT-box-binding factor (CBF) mRNA, complete cds /c
514E4	29	519	NM_000984	Hs.184776 0	3	ribosomal protein L23a (RPL23A), mRNA /cds=(2
589A7	736	983	AK025533	Hs.184793 1.00E-138	1	cDNA: FLJ21880 fis, clone HEP02743 /cds=UNKNOW
142G5	1918	2157	AL049782	Hs.184938 8.00E-83	3	Novel human gene mapping to chomosome 13
						/cds=UNKNOWN /gb=A
462G9	178	398	AI085568	Hs.185062 1.00E-76	1	oy68b05.x1 cDNA, 3' end /clone=IMAGE:1670961
470C12	81	333	T98171	Hs.185675 1.00E-105	1	ye56c12.s1 cDNA, 3' end /clone=IMAGE:121750 /
463F2	3175	3359	NM_014686	Hs.186840 1.00E-72	1	KIAA0355 gene product (KIAA0355), mRNA /cds=(
461E4	907	1118	NM_018519	Hs.186874 4.00E-91	1	hypothetical protein PRO2266 (PRO2266), mRNA
155A1	53	379	AI619574	Hs.187362 1.00E-109	1	ty50c09.x1 cDNA, 3' end /clone=IMAGE:2282512
461C9	2948	3458	NM_014504	Hs.187660 0	1	putative Rab5 GDP/GTP exchange factor homologu
470F2	5	331	BE646499	Hs.187872 1.00E-156	1	7e87h02.x1 cDNA, 3' end /clone=IMAGE:3292179
68D12	590	740	AW963239	Hs.187908 4.00E-66	1	EST375312 /gb=AW963239 /gi=8153075 /ug=
75H12	2012	2585	AL110269	Hs.187991 0	1	cDNA DKFZp564A122 (from clone DKFZp564A1
167G4	1474	1958	NM_015626	Hs.187991 0	1	DKFZP564A122 protein (DKFZP564A122), mRNA /c
137G3	54	197	AI625368	Hs.188365 2.00E-34	46	ts37c10.x1 cDNA, 3' end /clone=IMAGE:2230770
464C12	183	404	AA432364	Hs.188777 7.00E-94	1	zw76a09.s1 cDNA, 3' end /clone=IMAGE:782104 /
467E9	29	183	AA576947	Hs.188886 1.00E-63	1	nm82b04.s1 cDNA, 3' end /clone=IMAGE:1074703

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

		.=-				
467B4	349	459	Al392805	Hs.189031 2.00E-49	1	tg04h03.x1 cDNA, 3' end /clone=IMAGE:2107829
461E2	242	473	BE674964	Hs.190065 1.00E-109		7f11b09.x1 cDNA, 3' end /clone=IMAGE:3294329
466F4	58	295	BG326781	Hs.190219 1.00E-132	1	602425659F1 cDNA, 5' end /clone=IMAGE:4563471
465H4	111	558	AA582958	Hs.190229 0	1	nn80d08.s1 cDNA, 3' end /clone=IMAGE:1090191
470F9	26	529	AI763206	Hs.190453 0	1	wh95e09.x1 cDNA, 3' end /clone=IMAGE:2388520
66H12		3459	D00099			·
	1			Hs.190703 0	5	for Na,K-ATPase alpha-subunit, complete
472E1	338	540	AW294083	Hs.190904 2.00E-46	1	UI-H-BI2-ahg-b-05-0-UI.s1 cDNA, 3' end /clon
522G10	433	970	NM_003757	Hs.192023 0	2	eukaryotic translation initiation factor 3,
54G8	29	410	AW838827	Hs.192123 0	1	CM1-LT0059-280100-108-e02 /gb=AW838827
465G4	261	515	BF224348	Hs.192463 1.00E-104	1	7q86c05.x1 cDNA /clone=IMAGE /gb=BF224348 /g
468F9	392	487	Al524039	Hs.192524 2.00E-36	1	tg99h02.x1 cDNA, 3' end /clone=IMAGE:2116947
466C6	111	392	AW972048	Hs.192534 1.00E-153	1	EST384032 cDNA /gb=AW972048 /gi=8161789 /ug=
184F12	1	677	AF090927	Hs.192705 0	1	clone HQ0457 PRO0457 mRNA, complete cds /cds=(
464C11	1 -	65	BE298181	Hs.192755 3.00E-23	1	601118566F1 cDNA, 5' end /clone=IMAGE:3028193
465H3	108	706	BG036938	Hs.192965 0	1	602287708F1 cDNA, 5' end /clone=IMAGE:4375153
169F9	4138	4890	D87454	Hs.192966 0	1	KIAA0265 gene, partial cds /cds=(0,1205) /gb
118H10	1104	1858	AK024263	Hs.193063 1.00E-132	2	cDNA FLJ14201 fis, clone NT2RP3002955 /cds=UNK
472F3	28	405	BF062295	Hs.193237 0	1	7k76b11.x1 cDNA, 3' end /clone=IMAGE:3481293
40A5	1933	2611	X12830	Hs.193400 0	1	interleukin-6 (IL-6) receptor /cds=(437,184
63B5	327	582	AW959162	Hs.193669 1.00E-103	1	EST371232 /gb=AW959162 /gi=8148846 /ug=
52G10	803	1173	M57627	Hs.193717 0	1	interleukin 10 (IL10) mRNA, complete cds /cds=(30,566
469F5	2088	2438	AL110204	Hs.193784 1.00E-179	1	mRNA; cDNA DKFZp586K1922 (from clone DKFZp586K
598H7	1428	1715	NM_014828	Hs.194035 1.00E-119	1	KIAA0737 gene product (KIAA0737), mRNA /cds=(
462B6	103	546	BE618004	Hs.194362 1.00E-165	1	601462354F1 cDNA, 5' end /clone=IMAGE:3865861
472F12	1177	1667	AB036737	Hs.194369 0	2	mRNA for RERE, complete cds /cds=(636,5336) /g
182E10	11785	13486	U82828	Hs.194382 0	5	ataxia telangiectasia (ATM) gene, complete cd
458F4	258	408	NM_022739	Hs.194477 2.00E-62	1	E3 ubiquitin ligase SMURF2 (SMURF2), mRNA /cd
583D2	1425	1732	NM_014232	Hs.194534 1.00E-136	1	vesicle-associated membrane protein 2 (synapt
38H8	1198	1620	U89387	Hs.194638 0	1	RNA polymerase II subunit hsRPB4 gene, complete cds /
122H10	5292	5481	NM_023005	Hs.194688 4.00E-80	1	bromodomain adjacent to zinc finger domain, 1B
186G9	1	1908	AL136945	Hs.194718 0	2	mRNA; cDNA DKFZp586O012 (from clone DKFZp586O0
113F3	1852	2375	NM_000634	Hs.194778 0	1	interleukin 8 receptor, alpha (IL8RA), mRNA /
106A3	35	404	U11870	Hs.194778 0	1	interleukin-8 receptor type A (IL8RBA) gene, promote
473B8	1001	1314	AF319438	Hs.194976 1.00E-172	1	SH2 domain-containing phosphatase anchor pro
57 F 9	442	1934	Y14039	Hs.195175 0	27	mRNA for CASH alpha protein /cds=(481,1923) /g
49E5	2314	2512	NM_018666	Hs.195292 2.00E-37	1	putative tumor antigen (SAGE), mRNA /cds=(167,
473B10	406	532	BE671815	Hs.195374 1.00E-54	1	7a47c12.x1 cDNA, 3' end /clone=IMAGE:3221878
595B5	59	311	AI653766	Hs.195378 6.00E-46	1	ty01b06.x1 cDNA, 3' end /clone=IMAGE:2277779
60G4	42	1554	D13642	Hs.195614 0	2	KIAA0017 gene, complete cds /cds=(136,1335)
473B9	739	927	AF241534	Hs.196015 2.00E-73	1	hydatidiform mole associated and imprinted (H
99C10	1075	1424	NM_000294	Hs.196177 1.00E-115		phosphorylase kinase, gamma 2 (testis) (PHKG2
45H9	956	1405	AF283645	Hs.196270 0	1	folate transporter/carrier mRNA, complete cd
54F9	2567	2954	U04636	Hs.196384 0	1	cyclooxygenase-2 (hCox-2) gene, complete cds
						/cds=(1

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				_	_	
38F12	401	606	AI984074	Hs.196398 1.00E-104	1	wz56c02.x1 cDNA, 3' end /clone=IMAGE:2562050
157G1	403	551	AJ006835	Hs.196769 7.00E-77	2	RNA transcript from U17 small nucleolar RNA ho
163F4	1	402	AI650871	Hs.197028 0	1	wa95f03.x1 cDNA, 3' end /clone=IMAGE:2303933
160B3	408	476	AI832038	Hs.197091 5.00E-27	1	wj99e02.x1 3' end /clone=IMAGE:2410970
105E8	1299	3674	AB020657	Hs.197298 0	6	for KIAA0850 protein, complete cds /cds=(
178G12	2097	3593	AF205218	Hs.197298 0	8	NS1-binding protein-like protein mRNA, compl
585F1	284	1711	NM_001469	Hs.197345 0	4	thyroid autoantigen 70kD (Ku antigen) (G22P1)
39C10	545	1984	Z83840	Hs.197345 0	2	DNA sequence from clone CTA-216E10 on
					_	chromosome 22 C
58E12	2162	3013	NM_001530		2	hypoxia-inducible factor 1, alpha subunit (ba
125G11	3673	4059	D29805	Hs.198248 0	1	mRNA for beta-1,4-galactosyltransferase, complete
41H10	6	821	M33906	Hs.198253 1.00E-156	2	MHC class II HLA-DQA1 mRNA, complete cds /cds=(43,810)
186A11	551	1031	NM_004544	Hs.198271 0	2	NADH dehydrogenase (ubiquinone) 1 alpha subco
126D8	993	1381	NM_021105	Hs.198282 0	1	phospholipid scramblase 1 (PLSCR1), mRNA /cds
174C12	4824	5257	NM_003070	Hs.198296 0	1	SWI/SNF related, matrix associated, actin dep
109C6	128	833	X04327	Hs.198365 0	1	erythrocyte 2,3-bisphosphoglycerate mutase mRNA EC
64B12	4383	5289	NM_000189	Hs.198427 0	2	hexokinase 2 (HK2), mRNA /cds=(1490,4243) /gb
70B4	3267	5289	Z46376	Hs.198427 0	4	HK2 mRNA for hexokinase II /cds=(1490,4243) /gb=Z
47046	100	475	A1070504	Hs.198694 1.00E-129	4	wq72d08.x1 cDNA, 3' end /clone=IMAGE:2476815
478H6	186 767	475	AI978581		1 1	•
587G1 465F12	373	1143	NM_006837 BE621611	Hs.198767 1.00E-170	1	COP9 (constitutive photomorphogenic, Arabido
400F12	3/3	554	DE021011	Hs.198802 2.00E-77	1	601493754T1 cDNA, 3' end /clone=IMAGE:3895836
123B3	310	3608	AB011108	Hs.198891 0	3	mRNA for KIAA0536 protein, partial cds /cds=(0,
157H3	3457	5268	D50929	Hs.198899 0	2	KIAA0139 gene, complete cds /cds=(128,4276)
477H1	35	592	NM_002229	Hs.198951 0	1	jun B proto-oncogene (JUNB), mRNA /cds=(253,12
53C5	979	1296	X51345	Hs.198951 1.00E-160	1	jun-B mRNA for JUN-B protein /cds=(253,1296) /gb=X513
54H8	350	501	AW450874	Hs.199014 5.00E-81	1	UI-H-BI3-all-a-11-0-UI.s1 cDNA, 3' end /clon
520E12	3506	3878	L04731	Hs.199160 0	1	translocation T(4:11) of ALL-1 gene to chromoso
57F4	5941	6266	NM_006267	Hs.199179 1.00E-158	1	RAN binding protein 2 (RANBP2), mRNA /cds=(127,
50B10	5	3645	D86984	Hs.199243 0	2	KIAA0231 gene, partial cds /cds=(0,1430) /gb
68E12	1757	2052	L25124	Hs.199248 1.00E-156	2	prostaglandin E2 receptor mRNA, complete cds /
484H3	1879	1958	NM 000958	Hs.199248 3.00E-33	1	prostaglandin E receptor 4 (subtype EP4) (PTGE
466G6	368	3287	NM_013233	Hs.199263 0	2	Ste-20 related kinase (SPAK), mRNA /cds=(173,1
464B9	633	1068	AF015041	Hs.199291 0	1	NUMB-R protein (NUMB-R) mRNA, complete cds /c
522F9	2	116	Al669591	Hs.200442 5.00E-59	1	tw34b09.x1 cDNA, 3' end /clone=IMAGE:2261561
60F11	4945	5114	AB040942	Hs.201500 7.00E-92	1	for KIAA1509 protein, partial cds /cds=(0
72D12	819	1293	AF104398	Hs.201673 0	1	cornichon mRNA, complete cds /cds=(56,490) /g
105G5	1629	2130	AF091263	Hs.201675 0	1	RNA binding motif protein 5 (RBM5) mRNA, comple
116G3	1637	2854	NM 005778	Hs.201675 0	2	RNA binding motif protein 5 (RBM5), mRNA /cds=(
40A10	254	431	Al693179	Hs.201789 5.00E-85	1	wd68d12.x1 cDNA, 3' end /clone=IMAGE:2336759
473D4	421	547	BE551203	Hs.201792 3.00E-49	1	7b55h12.x1 cDNA, 3' end /clone=IMAGE:3232199
472D8	313	623	AW390251	Hs.202402 1.00E-123	1	CM4-ST0182-051099-021-b06 cDNA /gb=AW390251
						•
66H5	176	482	AI271437	Hs.203041 1.00E-173	1	qi19c05.x1 cDNA, 3' end /clone=IMAGE:1856936
594C2	35	368	AW131782	Hs.203606 1.00E-147	2	xf34e08.x1 cDNA, 3' end /clone=IMAGE:2619974
138B12	101	420	AW194379	Hs.203755 1.00E-93	3	xm08h07 x1 3' end /clone=IMAGE:2683645
473D3	1	234	AI538474	Hs.203784 1.00E-117	1	td06h08.x1 cDNA, 3' end /clone=IMAGE:2074911
471A5	113	442	Al393908	Hs.203829 1.00E-153	1	tg05f10.x1 cDNA, 3' end /clone=IMAGE:2107915
40A4	1621	2037	AF004230	Hs.204040 0	1	monocyte/macrophage lg-related receptor MIR

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				nybriaization	ununy	310
463H1	7	319	AW977671 .	Hs.204214 1.00E-161	1	EST389900 cDNA /gb=AW977671 /gi=8169049 /ug=
478E7	25	434	AI762023	Hs.204610 0	2	wh89f04.x1 cDNA, 3' end /clone=IMAGE:2387935
55E11	324	469	Al741246	Hs.204656 1.00E-58	12	wg26g09.x1 cDNA, 3' end /clone=IMAGE:2366272
478G10	345	476	AI760901	Hs.204703 9.00E-34	1	wi09h06.x1 cDNA, 3' end /clone=IMAGE:2389787
470E11	374	507	AI762741	Hs.204707 2.00E-49	1	wh93h02.x1 cDNA, 3' end /clone=IMAGE:2388339
478F5	179	437	A1086035	Hs.204873 1.00E-110	1	oy70h04.x1 cDNA, 3' end /clone=IMAGE:1671223
464G4	33	320	A1749444	Hs.204929 5.00E-50	1	at24c03.x1 cDNA, 3' end /clone=IMAGE:2356036
472D2	88	198	Al760018	Hs.205071 4.00E-54	1	wh83b02.x1 cDNA, 3' end /clone=IMAGE:2387307
470D9	5	422	AW976641	Hs.205079 0	1	EST388750 cDNA /gb=AW976641 /gi=8167872 /ug=
470D4	122	500	AA885473	Hs.205175 0	1	am10c12.s1 cDNA, 3' end /clone=IMAGE:1466422
473C5	285	525	BF679831	Hs.205319 2.00E-96	1	602154415F1 cDNA, 5' end /clone=IMAGE:4295595
470E7	295	521	AI762557	Hs.205327 9.00E-95	2	wh92f07.x1 cDNA, 3' end /clone=IMAGE:2388229
478F11	11	447	AI761141	Hs.205452 0	3	wh97g08.x1 cDNA, 3' end /clone=IMAGE:2388734
459A12	111	323	N72600	Hs.205555 9.00E-96	1	za46f08.s1 cDNA, 3' end /clone=IMAGE:295623 /
470F4	214	481	AW977820	Hs.205675 1.00E-131	1	EST389824 cDNA /gb=AW977820 /gi=8168971 /ug=
102G3	1	249	BF680988	Hs.205696 2.00E-78	1	602156272F1 cDNA, 5' end /clone=IMAGE:4297216
472B2	312	700	BF794256	Hs.206761 0	1	602255454F1 cDNA, 5' end /clone=IMAGE:4338949
470C1	1113	1643	AK024118	Hs.206868 0	1 .	cDNA FLJ14056 fis, clone HEMBB1000335 /cds=UNK
469H7	1076	1215	U15177	Hs.206984 3.00E-69	1	cosmid CRI-JC2015 at D10S289 in 10sp13 /cds=(0,1214)
61F9	5	181	AW340421	Hs.207995 4.00E-94	1	hc96h02.x1 cDNA, 3' end /clone=IMAGE:2907891
473C2	239	551	BF439675	Hs.208854 1.00E-151	1	nab69e11.x1 cDNA /clone=IMAGE /gb=BF439675 /
62G11	159	292	BE781611	Hs.208985 1.00E-60	1	601467463F1 cDNA, 5' end /clone=IMAGE:3870902
472E2	258	554	AI343473	Hs.209203 1.00E-135	1	tb97a08.x1 cDNA, 3' end /clone=IMAGE:2062262
471C10	148	498	A1768880	Hs.209511 0	1	wh71e04.x1 cDNA, 3' end /clone=IMAGE:2386206
470G9	416	561	Al798144	Hs.209609 4.00E-63	1	wh81g12.x1 cDNA, 3' end /clone=IMAGE:2387206
478C10	120	447	Al809310	Hs.210385 1.00E-158	2	wh75h08.x1 cDNA, 3' end /clone=IMAGE:2386623
476B7	64	341	AI075288	Hs.210727 1.00E-151	2	oy69h10.x1 cDNA, 3' end /clone=IMAGE:1671139
477G4	915	1541	AB040919	Hs.210958 0	1	mRNA for KIAA1486 protein, partial cds /cds=(1
468C2	215	498	Al832182	Hs.210995 1.00E-145	1	td13h11.x1 cDNA, 3' end /clone=IMAGE:2075589
472D11	1	300	Al860120	Hs.211024 1.00E-126	1	wh39e01.x1 cDNA, 3' end /clone=IMAGE:2383128
470D3	30	317	AW362304	Hs.211194 1.00E-137	1	CM3-CT0275-031199-031-a08 cDNA /gb=AW362304
179F6	105	551	Al823649	Hs.211535 0	1	wi85g03.x1 3' end /clone=IMAGE:2400148
477G12	2439	4050	NM_020993	Hs.211563 0	4	B-cell CLL/lymphoma 7A (BCL7A), mRNA /cds=(953
39A11	5178	5792	L10717	Hs.211576 0	2	T cell-specific tyrosine kinase mRNA, complete
187B9	5365	5790	NM_005546	Hs.211576 0	1	IL2-inducible T-cell kinase (ITK), mRNA /cds=
152C2	3965	4297	Z22551	Hs.211577 1.00E-174	1	kinectin gene /cds=(69,4139) /gb=Z22551 /gi=296
120A2	2556	2917	NM_005955	Hs.211581 0	1	metal-regulatory transcription factor 1 (MTF
147A2	2915	4407	M59465	Hs.211600 0	6	tumor necrosis factor alpha inducible protein A20 mRN
583B12	2404	3981	NM_006290	Hs.211600 0	11	tumor necrosis factor, alpha-induced protein
589F3	1905	2274	AF090693	Hs.211610 0	1	apoptosis-related RNA binding protein (NAPOR-
470G11	277	462	AI862623	Hs.211744 5.00E-99	1	wh99h10.x1 cDNA, 3' end /clone=IMAGE:2388931
473F2	195	423	BE675092	Hs.211828 2.00E-95	1	7f02d07.x1 cDNA, 3' end /clone=IMAGE:3293485
517D2	1059	1366	BC000747	Hs.211973 1.00E-162	2	Similar to homolog of Yeast RRP4 (ribosomal RN
109D9	391	533	AI922921	Hs.212553 2.00E-68	1	wn81c05.x1 cDNA, 3' end /clone=IMAGE:2452232
494H12	172	549	AI912585	Hs.213385 0	3	we11d07.x1 cDNA, 3' end /clone=IMAGE:2340781

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

596G11	4740	5687	AB007916	Hs.214646 0	8	mRNA for KIAA0447 protein, partial cds /cds=(2
104C12	843	1787	AL031282	Hs.215595 0	2	DNA sequence from clone 283E3 on chromosome 1p36.21-36
124F8	1391	2913	NM_002074	Hs.215595 0	4	guanine nucleotide binding protein (G protein)
157E8	1264	1627	AK001548	Hs.215766 0	4	FLJ10686 fis, clone NT2RP3000252, highly
519G3	1729	2094	NM 012341	Hs.215766 0	1	GTP-binding protein (NGB), mRNA /cds=(23,1924
473E7	2278	2472	AB022663	Hs.215857 3.00E-52	1	HFB30 mRNA, complete cds /cds=(236,1660) /gb=
104F7	4	1324	D00017	Hs.217493 0	3	for lipocortin II, complete cds /cds=(49,1
58G2	11	1324	NM 004039	Hs.217493 0	7	annexin A2 (ANXA2), mRNA /cds=(49,1068) /gb=N
3002	1 '	1024	14101_004033	113.211430 0	,	annexin 7/2 (7/14/4/2), mixter 7603-(40, 1000) /gb-14
467D4	27	443	Al392814	Hs.221014 1.00E-180	1	tg10a02.x1 cDNA, 3' end /clone=IMAGE:2108330
463B1	69	457	AV686223	Hs.221642 0	1	AV686223 cDNA, 5' end /clone=GKCGXH11 /clone_
40301	03	701	AV000223	113.221072 0	,	AVOODZZO CENA, O CHA MONIC-CROOXITTI 7010116_
464D10	295	552	BF058398	Hs.221695 1.00E-115	1	7k30d01.x1 cDNA, 3' end /clone=IMAGE:3476785
466C12	1	427	AI540165	Hs.222186 0	1	td10d05.x1 cDNA, 3' end /clone=IMAGE:2075241
125H10	2596	2917	AB046830	Hs.222746 0	1	mRNA for KIAA1610 protein, partial cds /cds=(0
473C4	1	193	BF435098	Hs.222833 9.00E-72	1	7p05g01.x1 cDNA, 3' end /clone=IMAGE:3645097
				Hs.223747 1.00E-147		
37B4	18	371	AW389509		1	CM3-ST0163-051099-019-b11 /gb=AW389509
470H7	106	357	AI766706	Hs.223935 1.00E-116	1	wi02g11.x1 cDNA, 3' end /clone=IMAGE:2389124
472D12	1	370	AL133721	Hs.224680 0	1	DKFZp761H09121_r1 cDNA, 5' end /clone=DKFZp76
124E4	53	208	AI874107	Hs.224760 7.00E-50	3	wm49b01.x1 cDNA, 3' end /clone=IMAGE:2439241
477G3	146	412	AI400714	Hs.225567 1.00E-141	1	tg93g12.x1 cDNA, 3' end /clone=IMAGE:2116390
112F12	2313	2799	AL163279	Hs.225674 0	1	chromosome 21 segment HS21C079 /cds=(0,6888)
						, , , , , , , , , , , , , , , , , , ,
118D12	6187	6775	NM_015384	Hs.225767 0	1	IDN3 protein (IDN3), mRNA /cds=(706,7182) /gb
109B7	2208	3315	AF119417	Hs.225939 0	2	nonfunctional GM3 synthase mRNA, alternativel
125A8	2877	3381	NM_006999	Hs.225951 0	1	topoisomerase-related function protein 4-1
129C8	5510	5893	AF012108	Hs.225977 0	1	Amplified in Breast Cancer (AIB1) mRNA, comple
39G12	4498	4859	NM 014977	Hs.227133 1.00E-93	2	KIAA0670 protein/acinus (KIAA0670), mRNA /cd
153D10	1	286	AF000145	Hs.227400 1.00E-139	2	germinal center kinase related protein kinase
464B12	901	1425	AL050131	Hs.227429 0	1	mRNA; cDNA DKFZp586I111 (from clone
	•••		,,		,	DKFZp586I1
459D9	3828	4314	NM_004841	Hs.227806 0	1	ras GTPase activating protein-like (NGAP), mR
135E9	135	773	NM 004049	Hs.227817 0	1	BCL2-related protein A1 (BCL2A1), mRNA /cds=(
59F10	123	808	Y09397	Hs.227817 0	12	GRS protein /cds=(102,629) /gb=Y09397 /
516H4	1901	2462	NM 014287	Hs.227823 0	1	pM5 protein (PM5), mRNA /cds=(0,3668) /gb=NM_0
107C12	2776	3390	Y15906	Hs.227913 0	1	for XAGL protein /cds=(132,1646) /gb=Y159
152C7	171	1390	AF052155	Hs.227949 0	2	clone 24761 mRNA sequence /cds=UNKNOWN
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522G8	108	293	AI917348	Hs.228486 2.00E-70	1	ts83d10.x1 cDNA, 3' end /clone=IMAGE:2237875
66C7	304	445	AI094726	Hs.228795 1.00E-26	1	qa08f05.x1 cDNA, 3' end /clone=IMAGE:1686177
585D1	51	294	AI199388	Hs.228817 5.00E-73	1	qs75e05.x1 cDNA, 3' end /clone=IMAGE:1943936
468E9	113	324	AI523873	Hs.228926 7.00E-77	2	tg97c12.x1 cDNA, 3' end /clone=IMAGE:2116726
466F1	44	139	Al380491	Hs.229374 3.00E-39	2	tf95b10.x1 cDNA, 3' end /clone=IMAGE:2107003
182F1	40	465	Al354231	Hs.229385 1.00E-138	4	qv12c04.x1 cDNA, 3' end /clone=IMAGE:1981350
465C1	237	316	AW812896	Hs.229868 3.00E-38	1	RC3-ST0186-250200-018-a11 cDNA /gb=AW812896
178H7	42	353	AI581732	Hs.229918 1.00E-68	5	ar74f03.x1 cDNA, 3' end /clone=IMAGE:2128349
72H6	48	534	AI818777	Hs.229990 1.00E-85	3	wi11f10.x1 cDNA, 3' end /clone=IMAGE:2424619
181E9	52	279	AI827451	Hs.229993 1.00E-66	1	wi17d11.x1 cDNA, 3' end /clone=IMAGE:2425173
38H1	225	311	AI579979	Hs.230430 1.00E-25	1	tq45a01.x1 cDNA, 3' end /clone=IMAGE:2211720
489G11	66	369	AI818596	Hs.230492 1.00E-112	5	wk74d04.x1 cDNA, 3' end /clone=IMAGE:2421127
118D6	40	161	AI025427	Hs.230752 6.00E-37	1	ow27g06.s1 cDNA, 3' end /clone=IMAGE:1648090
462H6	305	437	AI087055	Hs.230805 3.00E-67	1	oy70c09.x1 cDNA, 3' end /clone=IMAGE:1671184
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107C11	93	240	Al796419	Hs.230939 1.00E-40	1	wj17f02.x1 cDNA, 3' end /clone=IMAGE:2403099
591A1	65	316	AA767883	Hs.231154 7.00E-59	4	oa30h07.s1 cDNA, 3' end /clone=IMAGE:1306525
471B3	177	519	BE407125	Hs.231510 1.00E-166	1	601301818F1 cDNA, 5' end /clone=IMAGE:3636412
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64G11	609	950	AL542592	Hs 231816 1.00E-166	1	AL542592 cDNA /clone=CS0DE012YA05-(5-prime)
108G1	1	210	AW006867	Hs.231987 1.00E-109	1	ws15d07.x1 cDNA, 3' end /clone=IMAGE:2497261
115F3	44	185	AW016002	Hs.232000 7.00E-75	2	UI-H-BI0p-abh-h-06-0-UI.s1 cDNA, 3' end /clo
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472A6	311	497	BF195579	Hs.232257 1.00E-78	1	7n85c03.x1 cDNA, 3' end /clone=IMAGE:3571205
111A7	285	463	AW026667	Hs.233261 1.00E-41	1	wv15d09.x1 cDNA, 3' end /clone=IMAGE:2529617
67G8	292	560	BE719483	Hs.233383 4.00E-94	3	MR1-HT0858-020800-001-c06 /gb=BE719483
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001 11	343	1030	203330	115.255750 0	U	6p21. Conta
184G6	49	491	BF694761	Hs.233936 0	9	602080851F2 cDNA, 5' end /clone=IMAGE:4245133
10100	70	701	B1 004701	113.200330 0	J	0020000011 2 0D14A, 0 CHU /CIONG-IMIAGE.4240100
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156B4	405	774	AF054185	Hs.233952 1.00E-164	1	proteasome subunit HSPC complete cds /c
595G5	85	315	NM_002792		1	proteasome (prosome, macropain) subunit, alp
67F5	108	556	AK000654	Hs.234149 0	1	FLJ20647 fis, clone KAT02147 /cds=(90,836
591B6	1	555	NM_017918		6	hypothetical protein FLJ20647 (FLJ20647), mR
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721-0	314	2561	AL035071	Hs.234279 0	2	DNA sequence from clone 1085F17 on chromosome 20q11.1
514H4	2105	2523	NM_012325	Hs.234279 0	1	microtubule-associated protein, RP/EB family
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163A8	470	1153	X13794	Hs.234489 0	4	lactate dehydrogenase B gene exon 1 and (EC 1.1.1.
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125E5 471B1	31 1499	465 2033	NM_000978 L05148	Hs.234518 1.00E-117 Hs.234569 0	2 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence
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471B1	1499	2033	L05148	Hs.234569 0	1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN
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471B1 466D7 108B11	1499 1050 407	2033 1402 742	L05148 NM_013451 X14008	Hs.234569 0 Hs.234680 0 Hs.234734 0	1 1 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681
471B1 466D7 108B11 476A12	1499 1050 407 3	2033 1402 742 440	L05148 NM_013451 X14008 Al076222	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0	1 1 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008
471B1 466D7 108B11 476A12	1499 1050 407 3 994	2033 1402 742 440	L05148 NM_013451 X14008 Al076222 AL157426	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0	1 1 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1
471B1 466D7 108B11 476A12 464H7	1499 1050 407 3 994	2033 1402 742 440 2425	L05148 NM_013451 X14008 Al076222 AL157426	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22	1 1 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone
471B1 466D7 108B11 476A12 464H7	1499 1050 407 3 994	2033 1402 742 440 2425	L05148 NM_013451 X14008 Al076222 AL157426	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22	1 1 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1
471B1 466D7 108B11 476A12 464H7 472F2	1499 1050 407 3 994 2203	2033 1402 742 440 2425 2431	L05148 NM_013451 X14008 AI076222 AL157426 AK024137	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97	1 1 1 2 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly
471B1 466D7 108B11 476A12 464H7 472F2	1499 1050 407 3 994 2203 1159	2033 1402 742 440 2425 2431 1751	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0	1 1 1 2 1 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN
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471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8	1499 1050 407 3 994 2203 1159 39 182	2033 1402 742 440 2425 2431 1751 485 449 2009	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845 NM_001535	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145	1 1 1 2 1 1 1 1 3	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:2068766 ze64a07.r1 cDNA, 5' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae)
471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8 182H3	1499 1050 407 3 994 2203 1159 39 182 468	2033 1402 742 440 2425 2431 1751 485 449 2009 596	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145 Hs.235887 1.00E-119	1 1 1 2 1 1 1 1 3 5	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:2068766 ze64a07.r1 cDNA, 5' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae) SWI/SNF related, matrix associated, actin dep
471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8 182H3 119B12 461C5	1499 1050 407 3 994 2203 1159 39 182 468 253 654	2033 1402 742 440 2425 2431 1751 485 449 2009 596 1112	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845 NM_001535 NM_003075 AK026410	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145 Hs.235887 1.00E-119 Hs.236030 0 Hs.236449 0	1 1 1 2 1 1 1 1 3 5 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:2068766 ze64a07.r1 cDNA, 5' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae) SWI/SNF related, matrix associated, actin dep cDNA: FLJ22757 fis, clone KAIA0803 /cds=(92,24
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471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8 182H3 119B12 461C5	1499 1050 407 3 994 2203 1159 39 182 468 253 654	2033 1402 742 440 2425 2431 1751 485 449 2009 596 1112	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845 NM_001535 NM_003075 AK026410	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145 Hs.235887 1.00E-119 Hs.236030 0 Hs.236449 0	1 1 1 2 1 1 1 1 3 5 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:2068766 ze64a07.r1 cDNA, 5' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae) SWI/SNF related, matrix associated, actin dep cDNA: FLJ22757 fis, clone KAIA0803 /cds=(92,24
471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8 182H3 119B12 461C5 182G3	1499 1050 407 3 994 2203 1159 39 182 468 253 654 514	2033 1402 742 440 2425 2431 1751 485 449 2009 596 1112 2817	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845 NM_001535 NM_003075 AK026410 AK023223	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145 Hs.235887 1.00E-119 Hs.236030 0 Hs.236449 0 Hs.236494 0	1 1 1 2 1 1 1 1 3 5 1 1 2	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:2068766 ze64a07.r1 cDNA, 5' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae) SWI/SNF related, matrix associated, actin dep cDNA: FLJ22757 fis, clone KAIA0803 /cds=(92,24 FLJ13161 fis, clone NT2RP3003589, highly
471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8 182H3 119B12 461C5 182G3 469G7	1499 1050 407 3 994 2203 1159 39 182 468 253 654 514 857	2033 1402 742 440 2425 2431 1751 485 449 2009 596 1112 2817 1336	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845 NM_001535 NM_003075 AK026410 AK023223 AK026359	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145 Hs.236887 1.00E-119 Hs.236030 0 Hs.236449 0 Hs.236494 0 Hs.236744 0	1 1 1 2 1 1 1 1 3 5 1 1 1 2 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae) SWI/SNF related, matrix associated, actin dep cDNA: FLJ22757 fis, clone KAIA0803 /cds=(92,24 FLJ13161 fis, clone NT2RP3003589, highly cDNA: FLJ22706 fis, clone HSI13163 /cds=UNKNOW putative helicase RUVBL (LOC56897), mRNA /cds
471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8 182H3 119B12 461C5 182G3 469G7	1499 1050 407 3 994 2203 1159 39 182 468 253 654 514 857 1522	2033 1402 742 440 2425 2431 1751 485 449 2009 596 1112 2817 1336 1888 1704	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845 NM_001535 NM_003075 AK026410 AK023223 AK026359 NM_020135 AK001514	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145 Hs.236030 0 Hs.236449 0 Hs.236449 0 Hs.236744 0 Hs.236744 0	1 1 1 2 1 1 1 3 5 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:2068766 ze64a07.r1 cDNA, 5' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae) SWI/SNF related, matrix associated, actin dep cDNA: FLJ22757 fis, clone KAIA0803 /cds=(92,24 FLJ13161 fis, clone NT2RP3003589, highly cDNA: FLJ22706 fis, clone HSI13163 /cds=UNKNOW putative helicase RUVBL (LOC56897), mRNA /cds FLJ10652 fis, clone NT2RP2005886 /cds=(50
471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8 182H3 119B12 461C5 182G3 469G7 592A9 177A1 594G2	1499 1050 407 3 994 2203 1159 39 182 468 253 654 514 857 1522 1260	2033 1402 742 440 2425 2431 1751 485 449 2009 596 1112 2817 1336	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845 NM_001535 NM_003075 AK026410 AK023223 AK026359 NM_020135 AK001514 NM_018169	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145 Hs.235887 1.00E-119 Hs.236030 0 Hs.236449 0 Hs.236744 0 Hs.236828 0 Hs.236828 0 Hs.236828 0 Hs.236844 1.00E-170 Hs.236844 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 2	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:2068766 ze64a07.r1 cDNA, 5' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae) SWI/SNF related, matrix associated, actin dep cDNA: FLJ22757 fis, clone KAIA0803 /cds=(92,24 FLJ13161 fis, clone NT2RP3003589, highly cDNA: FLJ22706 fis, clone HSI13163 /cds=UNKNOW putative helicase RUVBL (LOC56897), mRNA /cds FLJ10652 fis, clone NT2RP2005886 /cds=(50 hypothetical protein FLJ10652 (FLJ10652), mR
471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8 182H3 119B12 461C5 182G3 469G7 592A9 177A1	1499 1050 407 3 994 2203 1159 39 182 468 253 654 514 857 1522 1260 916	2033 1402 742 440 2425 2431 1751 485 449 2009 596 1112 2817 1336 1888 1704 1537	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845 NM_001535 NM_003075 AK026410 AK023223 AK026359 NM_020135 AK001514 NM_018169 NM_006947	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145 Hs.235887 1.00E-119 Hs.236030 0 Hs.236449 0 Hs.236744 0 Hs.236844 0 Hs.236844 1.00E-170 Hs.236844 0 Hs.236844 0 Hs.236844 0 Hs.236844 0 Hs.237825 9.00E-36	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:2068766 ze64a07.r1 cDNA, 5' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae) SWI/SNF related, matrix associated, actin dep cDNA: FLJ22757 fis, clone KAIA0803 /cds=(92,24 FLJ13161 fis, clone NT2RP3003589, highly cDNA: FLJ22706 fis, clone HSI13163 /cds=UNKNOW putative helicase RUVBL (LOC56897), mRNA /cds FLJ10652 fis, clone NT2RP2005886 /cds=(50 hypothetical protein FLJ10652 (FLJ10652), mR signal recognition particle 72kD (SRP72), mRN
471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8 182H3 119B12 461C5 182G3 469G7 592A9 177A1 594G2 98D10	1499 1050 407 3 994 2203 1159 39 182 468 253 654 514 857 1522 1260 916 1881	2033 1402 742 440 2425 2431 1751 485 449 2009 596 1112 2817 1336 1888 1704 1537 1964	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845 NM_001535 NM_003075 AK026410 AK023223 AK026359 NM_020135 AK001514 NM_018169	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145 Hs.235887 1.00E-119 Hs.236030 0 Hs.236449 0 Hs.236744 0 Hs.236828 0 Hs.236828 0 Hs.236828 0 Hs.236844 1.00E-170 Hs.236844 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 2	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:2068766 ze64a07.r1 cDNA, 5' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae) SWI/SNF related, matrix associated, actin dep cDNA: FLJ22757 fis, clone KAIA0803 /cds=(92,24 FLJ13161 fis, clone NT2RP3003589, highly cDNA: FLJ22706 fis, clone HSI13163 /cds=UNKNOW putative helicase RUVBL (LOC56897), mRNA /cds FLJ10652 fis, clone NT2RP2005886 /cds=(50 hypothetical protein FLJ10652 (FLJ10652), mR
471B1 466D7 108B11 476A12 464H7 472F2 63C7 73C8 590H8 182H3 119B12 461C5 182G3 469G7 592A9 177A1 594G2 98D10	1499 1050 407 3 994 2203 1159 39 182 468 253 654 514 857 1522 1260 916 1881	2033 1402 742 440 2425 2431 1751 485 449 2009 596 1112 2817 1336 1888 1704 1537 1964	L05148 NM_013451 X14008 AI076222 AL157426 AK024137 AK000260 AI379474 AA020845 NM_001535 NM_003075 AK026410 AK023223 AK026359 NM_020135 AK001514 NM_018169 NM_006947 M29696	Hs.234569 0 Hs.234680 0 Hs.234734 0 Hs.235042 0 Hs.235390 1.00E-22 Hs.235498 7.00E-97 Hs.235712 0 Hs.235823 0 Hs.235883 1.00E-145 Hs.235887 1.00E-119 Hs.236030 0 Hs.236449 0 Hs.236744 0 Hs.236844 0 Hs.236844 1.00E-170 Hs.236844 0 Hs.236844 0 Hs.236844 0 Hs.236844 0 Hs.237825 9.00E-36	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ribosomal protein L23 (RPL23), mRNA /cds=(25,4 protein tyrosine kinase related mRNA sequence /cds=UN fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3) lysozyme gene (EC 3.2.1.17) /cds=(82,474) /gb=X14008 oy65b09.x1 cDNA, 3' end /clone=IMAGE:1670681 mRNA; cDNA DKFZp761B101 (from clone DKFZp761B1 cDNA FLJ14075 fis, clone HEMBB1001905, weakly FLJ20253 fis, clone COLF6895 /cds=UNKNOWN tc57g08.x1 cDNA, 3' end /clone=IMAGE:2068766 ze64a07.r1 cDNA, 5' end /clone=IMAGE:363732 / HMT1 (hnRNP methyltransferase, S. cerevisiae) SWI/SNF related, matrix associated, actin dep cDNA: FLJ22757 fis, clone KAIA0803 /cds=(92,24 FLJ13161 fis, clone NT2RP3003589, highly cDNA: FLJ22706 fis, clone HSI13163 /cds=UNKNOW putative helicase RUVBL (LOC56897), mRNA /cds FLJ10652 fis, clone NT2RP2005886 /cds=(50 hypothetical protein FLJ10652 (FLJ10652), mR signal recognition particle 72kD (SRP72), mRN

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

109G2	16	405	AF116682	Hs.238205 0	1	PRO2013 mRNA, complete cds /cds=(135,380) /gb
41E1	2163	2733	U60805	Hs.238648 0	1	oncostatin-M specific receptor beta subunit (OSMRB)
599C11	508	1734	AK026110	Hs.238707 0	5	cDNA: FLJ22457 fis, clone HRC09925 /cds=(56,14
143E8	2	595	AV700542	Hs.238730 1.00E-177	6	AV700542 cDNA, 3' end /clone=GKCAFD05 /clone_
596C11	77	658	AW955090	Hs.238954 0	5	EST367160 cDNA /gb=AW955090 /gi=8144773 /ug=
000011		000	71113330000	113.200334 0	J	E31307100 CDNA 7gb-AVV333030 7gi-6144773 7ug-
169C7	1371	1634	AY004255	Hs.238990 1.00E-148	1	cdk inhibitor p27KIP1 mRNA, complete cds /cds=
173C1	1599	1859	BC001971	Hs.238990 1.00E-146	-	Similar to cyclin-dependent kinase inhibitor
458B5	1539	1809	AL136828	Hs.238996 1.00E-131	1	mRNA; cDNA DKFZp434K0427 (from clone DKFZp434K
591H9	6104	6559	AL157902	Hs.239114 0	1	DNA sequence from clone RP4-675C20 on chromosome 1p13
512G4	231	2376	NM_005746	Hs.239138 0	61	pre-B-cell colony-enhancing factor (PBEF), m
53D11	935	2053	U02020	Hs.239138 0	15	pre-B cell enhancing factor (PBEF) mRNA, complete cds
38B7	2187	2263	AK025021	Hs.239189 1.00E-36	1	FLJ21368 fis, clone COL03056, highly sim
458E10	90	622	NM_016533	Hs.239208 0	1	ninjurin 2 (NINJ2), mRNA /cds=(56,484) /gb=NM
184G10	1608	2056	AK026535	Hs.239307 0	1	FLJ22882 fis, clone KAT03587, highly sim
194D9	1544	1683	NM_003680	Hs.239307 4.00E-57	1	tyrosyl-tRNA synthetase (YARS), mRNA /cds=(0,
110C7	450	1216	AF246221	Hs.239625 0	4	transmembrane protein BRI mRNA, complete cds
599G9	446	1205	NM_021999	Hs.239625 0	13	integral membrane protein 2B (ITM2B), mRNA /cd
515E4	1404	1671	NM_014515	Hs.239720 1.00E-132	1	CCR4-NOT transcription complex, subunit 2 (C
115H10	1124	2079	BC000105	Hs.239760 0	2	Similar to CG14740 gene product, clone MGC:25
466E3	605	923	NM_005301	Hs.239891 1.00E-164	2	G protein-coupled receptor 35 (GPR35), mRNA /
52B5	993	1243	AJ223075	Hs.239894 1.00E-106	1	for TRIP protein /cds=(178,2532) /gb=AJ22
171E10	88	399	AW002624	Hs.240077 1.00E-145	1	wu60d10.x1 cDNA, 3' end /clone=IMAGE:990854 /
75C5	325	1604	AK027191	Hs.240443 0	8	FLJ23538 fis, clone LNG08010, highly sim
597D3	1134	1792	BC001255	Hs.240770 0	1	nuclear cap binding protein subunit 2, 20kD,
98A11	596	6834	NM_005385	Hs.241493 0	10	natural killer-tumor recognition sequence (N
98C10 463E8	1580 324	2204	AK027187	Hs.241507 0	40	cDNA: FLJ23534 fis, clone LNG06974, highly sim
	802	846	AF047002	Hs.241520 0	1	transcriptional coactivator ALY mRNA, partia
514G6 177G4	1375	1238 1887	NM_012392	Hs.241531 0	3	peflin (PEF), mRNA /cds=(12,866) /gb=NM_01239
17764	1375	1007	AF099149	Hs.241558 0	1	TRIAD1 type I mRNA, complete cds /cds=(144,1625
110E4	1320	1937	AK021704	Hs.241567 0	1	FLJ11642 fis, clone HEMBA1004356, highly
513B12	700	1447	NM_016839	Hs.241567 0	3	RNA binding motif, single stranded interacting
500G10	910	1249	NM_000594	Hs.241570 0	1	tumor necrosis factor (TNF superfamily, membe
514B6	735	1032	NM_018630	Hs.241576 1.00E-155		hypothetical protein PRO2577 (PRO2577), mRNA
590H9	61	251	NM_016200	Hs.241578 1.00E-104	1	U6 snRNA-associated Sm-like protein LSm8 (LOC
50A6	200	311	AK026704	Hs.242868 3.00E-57	3	FLJ23051 fis, clone LNG02642 /cds=UNKNOW
104C10	199	353	AA424812	Hs.243029 2.00E-74	1	zw04b02.s1 cDNA, 3' end /clone=IMAGE:768267 /
72G4	182	415	AW081232	Hs.243321 1.00E-99	4	xc22e08.x1 cDNA, 3' end /clone=IMAGE:2585030
521D12	32	287	AW102836	Hs.243457 6.00E-96	1	xd38h12.x1 cDNA, 3' end /clone=IMAGE:2596103
102F3	79	157	W45562	Hs.243720 4.00E-26	1	zc26e07.s1 cDNA, 3' end /clone=IMAGE:323460 /
56D6	193	454	M97856	Hs.243886 1.00E-122		histone-binding protein mRNA, complete cds /c
595D8	25	495	NM_002482	Hs.243886 0	1	nuclear autoantigenic sperm protein (histone-
46G5	2137	2661	AK000745	Hs.243901 0	1	cDNA FLJ20738 fis, clone HEP08257 /cds=UNKNOWN
477D4	141	250	Al394001	Hs.244666 4.00E-51	1	tg06d04.x1 cDNA, 3' end /clone=IMAGE:2107975
139B7	50	235	AW078847	Hs.244816 4.00E-32	2	xb18g07.x1 cDNA, 3' end /clone=IMAGE:2576700
472C4	74	464	AW139918	Hs.245138 0	1	UI-H-BI1-aee-d-05-0-UI.s1 cDNA, 3' end /clon
459F7	45	229	AW080951	Hs.245616 7.00E-58	1	xc28c10.x1 cDNA, 3' end /clone=IMAGE:2585586
100A6	41	1795	L22009	Hs.245710 1.00E-143	3	hnRNP H mRNA, complete cds /cds=(72,1421) /gb=L22009

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				, D a		unaryo	
592G8	41	1798	NM_005520	Hs.245710 0		6	heterogeneous nuclear ribonucleoprotein H1
71G4	382	583	AL136607	Hs.245798 1.0	00E-104	1	mRNA; cDNA DKFZp564I0422 (from clone DKFZp564
							The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
118B9	4495	5528	AK024391	Hs.246112 0		4	cDNA FLJ14329 fis, clone PLACE4000259, highly
471E5	148	464	AI568725	Hs.246299 1.0	00E-177	1	th15a01.x1 cDNA, 3' end /clone=IMAGE:2118312
464D11	26	526	N28843	Hs.246358 0		1	yx59d10.r1 cDNA, 5' end /clone=IMAGE:266035 /
40H7	550	1108	S57235	Hs.246381 0		1	CD68=110kda transmembrane glycoprotein [human,
474540	450	F07	A184447400				promonocy
471E12	152	507	AW117189	Hs.246494 1.0			xd83f08.x1 cDNA, 3' end /clone=IMAGE:2604231
479C1	47	345	AV739961	Hs.246796 1.0	00E-140	1	AV739961 cDNA, 5' end /clone=CBFBRA10 /clone_
472C9	43	400	BF796642	Hs.246818 0		1	602259846F1 cDNA, 5' end /clone=IMAGE:4343171
47F11	2	227	AB015856	Hs.247433 1.0	00E-123	1	for ATF6, complete cds /cds=(68,2080) /gb
179H9	12	379	AL031313	Hs.247783 1.0	00E-111	1	DNA sequence from clone 581F12 on chromosome Xq21. Co
167A9	5	352	Z00013	Hs.247792 1.0	00E-163	5	H.sapiens germline gene for the leader peptide and variable
72B8	402	672	L15006	Hs.247824 1.0	00E-139	2	Ig superfamily CTLA-4 mRNA, complete cds /cds=
488H10	135	672	NM 005214	Hs.247824 1.0	00E-146	5	cytotoxic T-lymphocyte-associated protein 4
188G8	1	255	NM_002991	Hs.247838 1.0	00E-135	1	small inducible cytokine subfamily A (Cys-Cys
153D11	401	720	AL049545	Hs.247877 1.0			DNA sequence from clone 263J7 on chromosome 6q14.3-15
44D2	42	448	AL035604	Hs.247894 1.0	00E-133	1	DNA sequence from clone 38C16 on chromosome 6q22.33-2
180B7	10	271	L21961	Hs.247947 4.0	00E-72	1	Ig rearranged lambda-chain mRNA, subgroup VL3, V-J re
110B11	311	803	U08626	Hs.247984 0		1	glutamine synthetase pseudogene /cds=(0,899) /gb=U
74G5	361	965	X14798	Hs.248109 0		1	DNA for c-ets-1 proto-oncogene /cds=(278,1603) /gb=
60H10	214	527	AW150084	Hs.248657 1.0	00E-99	3	xg36f03.x1 cDNA, 3' end /clone=IMAGE:2629661
64E2	329	536	BF512500	Hs.248689 1.0			UI-H-BI3-alw-h-10-0-UI.s1 cDNA, 3' end /clon
470C6	278	470	Al832183	Hs.249031 1.0			wh80g09.x1 cDNA, 3' end /clone=IMAGE:2387104
146A9	1145	1422	S63912	Hs.249247 1.0			D10S102=FBRNP [human, fetal brain, mRNA, 3043
519E8	37	628	NIM ADDAGE	Ha 240405 0		1	nt]/cds=(30,
458C7	2232		NM 000964	Hs.249495 0	005 400	1	heterogeneous nuclear ribonucleoprotein A1
			_	Hs.250505 1.0	UUE-163	1	retinoic acid receptor, alpha (RARA), mRNA /cd
476A8 123D7	1060 436	1601 2077	AF308285 AL157499	Hs.250528 0	NOE 152	1	serologically defined breast cancer antigen N mRNA; cDNA DKFZp434N2412 (from clone
12007			AL107499	Hs.250535 1.0	JUE-155	3	DKFZp434
477A10	285	370	AW291304	Hs.250600 2.0	00E-34	1	UI-H-BI2-agg-b-11-0-UI.s1 cDNA, 3' end /clon
172G12	726	1598	AF182420	Hs.250619 0		6	MDS019 (MDS019) mRNA, complete cds /cds=(231,1
167E11	11633	3 13714	NM_016252	Hs.250646 1.0	00E-180	2	baculoviral IAP repeat-containing 6 (BIRC6),
591E4	198	714	NM_002823	Hs.250655 4.0	00E-99	3	prothymosin, alpha (gene sequence 28) (PTMA),
40D9	2289	3010	M95585	Hs.250692 0		1	hepatic leukemia factor (HLF) mRNA, complete cds /cds
110D9	2336	3259	NM_003144	Hs.250773 0		3	signal sequence receptor, alpha (translocon-a
166A3	1	302	AF103458	Hs.250806 6.0		2	isolate donor N clone N168K immunoglobulin kap
110C12	629	1228	M35416	Hs.250811 0		1	GTP-binding protein (RALB) mRNA, complete cds /cds=(1
458D12	1136	1714	AY007158	Hs.250820 0		1	clone CDABP0113 mRNA sequence /cds=UNKNOWN /g
177C5	658	823	J02621	Hs.251064 3.0	00E-32	1	non-histone chromosomal protein HMG-14 mRNA, complet
126A2	658	1009	NM_004965	Hs.251064 0		3	high-mobility group (nonhistone chromosomal)

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

523G1	1	337	AE000660	Hs.251465 1.00E-178	2	T-cell receptor alpha delta locus from bases 5
40G1	4	781	X72308	Hs.251526 0	3	for monocyte chemotactic protein-3 (MCP-
188G7	1	1030	NM_002789	Hs.251531 0	3	proteasome (prosome, macropain) subunit, alp
61E12	578	2275	NM_006537	Hs.251636 0	2	ubiquitin specific protease 3 (USP3), mRNA /cd
38B10	995	1211	AK026594	Hs.251653 1.00E-107	1	FLJ22941 fis, clone KAT08078, highly sim
70C3	2022	2405	X52142	Hs.251871 0	1	CTP synthetase (EC 6.3.4.2) /cds=(75,1850) /
177E9	49	406	S80990	Hs.252136 1.00E-125	2	ficolin [human, uterus, mRNA, 1736 nt]
5050	4044	00.40	41/000740			/cds=(532,1512) /gb
50F8	1841	2048	AK026712	Hs.252259 1.00E-114	15	FLJ23059 fis, clone LNG03912 /cds=(41,16
585E12	16	194	AI383340	Hs.252300 1.00E-63	1	tc76g05.x1 cDNA, 3' end /clone=IMAGE:2070584
181E12	22	99	BE963374	Hs.252338 4.00E-30	1	601657137R1 cDNA, 3' end /clone=IMAGE:3866193
477H4	290	451	AI524022	Hs.252359 8.00E-87	1	tg99f02.x1 cDNA, 3' end /clone=IMAGE:2116923
188G11	95	700	NM_007104	Hs.252574 0	2	ribosomal protein L10a (RPL10A), mRNA /cds=(1
471H9	1	285	AV706014	Hs.252580 1.00E-145	1	AV706014 cDNA, 5' end /clone=ADBAOB12 /clone_
134F9	1358	1464	AL359626	Hs.252588 5.00E-50	1	mRNA; cDNA DKFZp564F172 (from clone DKFZp564F1
597B10	13	279	NM_000981	Hs.252723 1.00E-149	28	ribosomal protein L19 (RPL19), mRNA /cds=(28,6
120D7	962	1674	NM_006054	Hs.252831 0	5	reticulon 3 (RTN3), mRNA /cds=(124,834) /gb=N
593B10	102	467	AW191929	Hs.252989 7.00E-93	1	xl77c10.x1 cDNA, 3' end /clone=IMAGE:2680722
482C11	32	122	AW195119	Hs.253151 3.00E-33	1	xn66b07.x1 cDNA, 3' end /clone=IMAGE:2699413
472C6	34	279	AW204029	Hs.253384 1.00E-137	1	UI-H-BI1-aen-d-02-0-UI.s1 cDNA, 3' end /clon
472D4	27	440	AW205624	Hs.253502 0	1	UI-H-BI1-afr-e-01-0-UI.s1 cDNA, 3' end /clon
472D1	120	362	BF750565	Hs.253550 1.00E-133	1	RC1-BN0410-261000-014-f11 cDNA /gb=BF750565
480F11	367	558	AW237483	Hs.253820 1.00E-105	1	xm72e01.x1 cDNA, 3' end /clone=IMAGE:2689752
472B5	35	363	Al432340	Hs.254006 1.00E-169	1	tg54e06.x1 cDNA, 3' end /clone=IMAGE:2112610
75E5	1	904	M14328	Hs.254105 0	5	alpha enolase mRNA, complete cds /cds=(94,1398) /gb=
592A12	1	1100	NM_001428	Hs.254105 0	5	enolase 1, (alpha) (ENO1), mRNA /cds=(94,1398)
472D10	183	414	AI364936	Hs.255100 1.00E-126	1	qz23c12.x1 cDNA, 3' end /clone=IMAGE:2027734
479H9	43	184	AW292772	Hs.255119 2.00E-70	1	UI-H-BW0-aij-d-03-0-UI.s1 cDNA, 3' end /clon
480A2	18	523	AW293267	Hs.255178 0	1	UI-H-BW0-aii-e-10-0-UI.s1 cDNA, 3' end /clon
480B7	16	298	AW293895	Hs.255249 1.00E-116	1	UI-H-BW0-ain-f-10-0-UI.s1 cDNA, 3' end /clon
479H11	23	202	AW293955	Hs.255255 3.00E-79	1	UI-H-BW0-aik-d-05-0-UI.s1 cDNA, 3' end /clon
480A4	415	598	AW294681	Hs.255336 5.00E-66	1	UI-H-BW0-ail-g-10-0-UI.s1 cDNA, 3' end /clon
480A7	223	427	AW294695	Hs.255339 1.00E-103	1	UI-H-BW0-aim-a-02-0-UI.s1 cDNA, 3' end /clon
480A8	26	338	BF514247	Hs.255340 1.00E-167	1	UI-H-BW1-ani-h-09-0-UI.s1 cDNA, 3' end /clon
480C12	239	483	AW295088	Hs.255389 1.00E-124	1	UI-H-BW0-ait-d-09-0-UI.s1 cDNA, 3' end /clon
480F9	1	423	BF531016	Hs.255390 0	1	602072345F1 cDNA, 5' end /clone=IMAGE:4215251
480B3	68	377	AW295610	Hs.255446 1.00E-161	1	UI-H-BW0-aip-c-03-0-UI.s1 cDNA, 3' end /clon
460H5	44	427	AA455707	Hs.255452 1.00E-161	1	aa22d09.r1 cDNA, 5' end /clone=IMAGE:814001 /
480B12	132	212	AW295664	Hs.255454 7.00E-39	1	UI-H-BW0-aip-g-12-0-UI.s1 cDNA, 3' end /clon
472E7	163	489	Al439645	Hs.255490 1.00E-166	1	tc91e08.x1 cDNA, 3' end /clone=IMAGE:2073542
480D12	84	258	AW296005	Hs.255492 8.00E-90	1	UI-H-BW0-aiu-b-01-0-UI.s1 cDNA, 3' end /clon
480F4	34	464	AW296063	Hs.255501 0	1	UI-H-BW0-aiu-g-08-0-UI.s1 cDNA, 3' end /clon
480D5	18	404	AW296490	Hs.255554 0	2	UI-H-BW0-aiq-f-08-0-UI.s1 cDNA, 3' end /clon
480E1	95	379	AW296532	Hs.255559 1.00E-101	1	UI-H-BW0-aiv-b-07-0-UI.s1 cDNA, 3' end /clon
480E5	17	326	AW296545	Hs.255560 1.00E-128	1	UI-H-BW0-aiv-c-11-0-UI.s1 cDNA, 3' end /clon
480F2	20	330	AW296730	Hs.255573 1.00E-160	1	UI-H-BW0-aix-f-12-0-UI.s1 cDNA, 3' end /clon
480G7	38	479	AW296797	Hs.255579 0	1	UI-H-BW0-ajb-e-07-0-UI.s1 cDNA, 3' end /clon
480C9	19	274	AW297339	Hs.255637 1.00E-117	1	UI-H-BW0-air-c-03-0-UI.s1 cDNA, 3' end /clon
480C4	70	191	AW297400	Hs.255647 1.00E-49	1	UI-H-BW0-ais-a-05-0-UI.s1 cDNA, 3' end /clon
480G5	17	242	AW297522	Hs.255661 2.00E-87	1	UI-H-BW0-aja-e-02-0-UI.s1 cDNA, 3' end /clon

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

	400540	220	FC0	010/00/465/	Un DEECOT O	4	LILLY DIAMO all at 40.0 Lit at aDNA 21 and falon
	480F10	230	560	AW294654	Hs.255687 0	1	UI-H-BW0-ail-d-10-0-UI.s1 cDNA, 3' end /clon
	480G9	47	582	AW297813	Hs.255695 0	1	UI-H-BW0-aiy-g-09-0-UI.s1 cDNA, 3' end /clon
	480G10	31	453	AW297827	Hs.255697 0	1	UI-H-BW0-aiy-h-11-0-UI.s1 cDNA, 3' end /clon
	482G6	16	242	AW339651	Hs.255927 3.00E-78	1	he15g04.x1 cDNA, 3' end /clone=IMAGE:2919126
	469B11	4	221	AW341086	Hs.256031 1.00E-99	1	xz92h04.x1 cDNA, 3' end /clone=IMAGE:2871703
	140E7	2870	3589	M32315	Hs.256278 1.00E-84	2	tumor necrosis factor receptor mRNA, complete cds /cd
	189H12	2839	3294	NM_001066	Hs.256278 0	2	tumor necrosis factor receptor superfamily, m
1	99H11	83	589	NM_005620	Hs.256290 0	4	S100 calcium-binding protein A11 (calgizzarin
į	58C7	1778	2264	AJ271747	Hs.256583 0	1	partial mRNA for double stranded RNA binding nu
	482F4	373	628	AV719442	Hs.256959 1.00E-124	1	AV719442 cDNA, 5' end /clone=GLCBNA01 /clone_
	482F5	8	377	AW440866	Hs.256961 1.00E-179	1	he05f02.x1 cDNA, 3' end /clone=IMAGE:2918139
	482F8	191	315	AW440974	Hs.256971 2.00E-62	1	he06e12.x1 cDNA, 3' end /clone=IMAGE:2918254
	479E7	136	567	AW444482	Hs.256979 0	2	UI-H-BI3-akb-e-05-0-UI.s1 cDNA, 3' end /clon
	471H5	3	432	Al438957	Hs.257066 0	1	tc89b05.x1 cDNA, 3' end /clone=IMAGE:2073297
	472G3	233	617	AW450350	Hs.257283 0	1	UI-H-BI3-akn-c-01-0-UI.s1 cDNA, 3' end /clon
	472G11	112	338	Al809475	Hs.257466 1.00E-101	1	wh76d06.x1 cDNA, 3' end /clone=IMAGE:2386667
	479F7	22	421	AW452467	Hs.257572 0	1	UI-H-BI3-als-e-09-0-UI.s1 cDNA, 3' end /clon
	479G9	95	304	AW452513	Hs.257579 1.00E-81	1	UI-H-BW1-ame-b-03-0-UI.s1 cDNA, 3' end /clon
	479F11	16	329	AW453021	Hs.257640 1.00E-163	1	UI-H-BW1-ama-c-02-0-UI.s1 cDNA, 3' end /clon
	479G4	45	441	AW453044	Hs.257646 0	1	UI-H-BW1-ama-e-01-0-UI.s1 cDNA, 3' end /clon
	482F9	11	256	AW467193	Hs.257667 1.00E-108		he07a04.x1 cDNA, 3' end /clone=IMAGE:2918286
	482G2	9	271		Hs.257680 1.00E-108		,
				AW467400			he10f11.x1 cDNA, 3' end /clone=IMAGE:2918637
	482G8	108	428	AW467437	Hs.257682 1.00E-177		he17d05.x1 cDNA, 3' end /clone=IMAGE:2919273
	482G12	1	417	AW467501	Hs.257687 0	1	he19e06.x1 cDNA, 3' end /clone=IMAGE:2919490
	482H4	39	143	AW467746	Hs.257695 3.00E-51	1	he23d05.x1 cDNA, 3' end /clone=IMAGE:2919849
	482H6	1	116	AW467863	Hs.257705 2.00E-59	1	he27c04.x1 cDNA, 3' end /clone=IMAGE:2920230
	482H7	1	321	AW467864	Hs.257706 1.00E-156	1	he27c05.x1 cDNA, 3' end /clone=IMAGE:2920232
	482H9	1	112	AW467992	Hs.257709 1.00E-47	1	he30b01.x1 cDNA, 3' end /clone=IMAGE:2920489
	483A2	20	429	AW468207	Hs.257716 0	1	he34a12.x1 cDNA, 3' end /clone=IMAGE:2920894
	483A9	11	373	AW468431	Hs.257727 0	1	he37h11.x1 cDNA, 3' end /clone=IMAGE:2921253
	483B2	2	241	AW468621	Hs.257743 1.00E-119	1	he42e03.x1 cDNA, 3' end /clone=IMAGE:2921692
	75B1	157	246	BE531180	Hs.258494 5.00E-44	1	601278313F1 cDNA, 5' end /clone=IMAGE:3610443
	585F6	2200	4106	AL136549	Hs.258503 0	8	mRNA; cDNA DKFZp761l12121 (from clone DKFZp761
	169E2	5186	5415	U20489	Hs.258609 1.00E-119	2	glomerular epithelial protein 1 (GLEPP1) comple
	127A5	2142	2477	AB037790	Hs.258730 1.00E-177	1	mRNA for KIAA1369 protein, partial cds /cds=(0
	171B12	4202	4314	Y10129	Hs.258742 4.00E-45	2	mybpc3 gene /cds=(33,3857) /gb=Y10129 /gi=20583
	75B7	531	682	L14542	Hs.258850 3.00E-81	1	lectin-like type II integral membrane protein (NKG2-E
	471G5	344	473	AI144328	Hs.259084 3.00E-61	1	oy84g04.x1 cDNA, 3' end /clone=IMAGE:1672566
	479B7	73	307	AF161364	Hs.259683 1.00E-123	1	HSPC101 mRNA, partial cds /cds=(0,556) /gb=AF
	146B11	1942	2174	AL136842	Hs.260024 8.00E-92	1	DKFZp434A0530 (from clone DKFZp434A
	584A1	1085	1470	AL022398	Hs.261373 1.00E-166	1	DNA sequence from PAC 434O14 on chromosome 1q32
	148B1	119	817	X60656	Hs.261802 0	2	elongation factor 1-beta /cds=(95,772)
	60G3	203	3170	NM_001634	Hs.262476 0	15	S-adenosylmethionine decarboxylase 1 (AMD1)
	462E7	292	374	AW300868	Hs.262789 8.00E-40	1	xk07d09.x1 cDNA, 3' end /clone=IMAGE:2666033
	56F11	33	234	BF243724	Hs.263414 4.00E-82	1	601877832F1 cDNA, 5' end /clone=IMAGE:4106359
							•
	119C5	2414	2664	NM_002108	Hs.263435 1.00E-137	1	histidine ammonia-lyase (HAL), mRNA /cds=(297
	105A4	3225	3775	AK025774	Hs.264190 0	3	FLJ22121 fis, clone HEP18876, highly sim
	469H1	369	576	Al380111	Hs.264298 1.00E-103	1	tf98a11.x1 cDNA, 3' end /clone=IMAGE:2107292

181A3 41B7 75F9 99C3 598E12 468B6 115E11 114A4 166C7 56A8 70B10 178D10	2434 3209 264 2684 2417 863 1234 31 1315 564 229	2768 3885 452 3155 2894 1515 1713 382 1919 3624	AF271994 NM_024095	Hs.264981 1.00E-148 Hs.265829 0 Hs.265838 2.00E-96 Hs.266175 0 Hs.266940 0 Hs.267182 0 Hs.267288 0	1 1 2 2	2'-5'oligoadenylate synthetase 2 (OAS2), tra integrin alpha-3 chain mRNA, complete cds /cds=(73,32 xg42e09.x1 cDNA, 3' end /clone=IMAGE:2630248 cDNA FLJ20673 fis, clone KAIA4464 /cds=(104,14 cDNA: FLJ23016 fis, clone LNG00874 /cds=UNKNOW
75F9 99C3 598E12 468B6 115E11 114A4 166C7 56A8 70B10 178D10 168B9	264 2684 2417 863 1234 31 1315 564	452 3155 2894 1515 1713 382 1919	AW150944 AK000680 AK026669 NM_016569 AF271994 NM_024095	Hs.265838 2.00E-96 Hs.266175 0 Hs.266940 0 Hs.267182 0	1 2 2	integrin alpha-3 chain mRNA, complete cds /cds=(73,32 xg42e09.x1 cDNA, 3' end /clone=IMAGE:2630248 cDNA FLJ20673 fis, clone KAIA4464 /cds=(104,14
99C3 598E12 468B6 115E11 114A4 166C7 56A8 70B10 178D10 168B9	2684 2417 863 1234 31 1315 564	3155 2894 1515 1713 382 1919	AK000680 AK026669 NM_016569 AF271994 NM_024095	Hs.266175 0 Hs.266940 0 Hs.267182 0	2	cDNA FLJ20673 fis, clone KAIA4464 /cds=(104,14
598E12 468B6 115E11 114A4 166C7 56A8 70B10 178D10 168B9	2417 863 1234 31 1315 564	2894 1515 1713 382 1919	AK026669 NM_016569 AF271994 NM_024095	Hs.266940 0 Hs.267182 0	2	,
468B6 115E11 114A4 166C7 56A8 70B10 178D10	863 1234 31 1315 564	1515 1713 382 1919	NM_016569 AF271994 NM_024095	Hs.267182 0		cDNA: FLJ23016 fis, clone LNG00874 /cds=UNKNOW
115E11 114A4 166C7 56A8 70B10 178D10	1234 31 1315 564	1713 382 1919	AF271994 NM_024095			
114A4 166C7 56A8 70B10 178D10 168B9	31 1315 564	382 1919	NM_024095	Hs.267288 0	1	TBX3-iso protein (TBX3-iso), mRNA /cds=(116,1
166C7 56A8 70B10 178D10 168B9	1315 564	1919	_		1	dopamine responsive protein DRG-1 mRNA, compl
56A8 70B10 178D10 168B9	564		AV004740	Hs.267400 1.00E-179	1	hypothetical protein MGC5540 (MGC5540), mRNA
70B10 178D10 168B9		3624	AK001749	Hs.267604 0	2	FLJ10887 fis, clone NT2RP4002018, weakly
178D10 168B9	229	0024	AB033054	Hs.267690 0	3	for KIAA1228 protein, partial cds /cds=(0
168B9		2138	AK001471	Hs.268012 0	3	FLJ10609 fis, clone NT2RP2005276, highly
	1831	2796	NM_012255	Hs.268555 0	2	5'-3' exoribonuclease 2 (XRN2), mRNA /cds=(68,
40550	451	881	AF068235	Hs.268763 0	1	barrier-to-autointegration factor mRNA, com
465F2	91	433	AA613224	Hs.270264 0	1	no19d06.s1 cDNA, 3' end /clone=IMAGE:1101131
469E2	302	422	BE857296	Hs.270293 1.00E-57	1	7g27b01.x1 cDNA, 3' end /clone=iMAGE:3307657
465D10	284	405	Al270476	Hs.270341 4.00E-51	1	qu88e12.x1 cDNA, 3' end /clone=IMAGE:1979182
473F10	831	1096	AK021517	Hs.270557 1.00E-140	1	cDNA FLJ11455 fis, clone HEMBA1001497 /cds=UNK
193A10	458	563	Al818951	Hs.270614 5.00E-31	1	wj89e12.x1 cDNA, 3' end /clone=IMAGE:2410030
458E11	44	264	W03955	Hs.270717 1.00E-118		za62d04.r1 cDNA, 5' end /clone=IMAGE:297127 /
163C12	280	954	M30704	Hs.270833 1.00E-168	2	amphiregulin (AR) mRNA, complete cds, clones lambda-A
196F4	208	567	NM_001657	Hs.270833 1.00E-158	1	amphiregulin (schwannoma-derived growth fac
464G2	378	529	AW172850	Hs.270999 4.00E-77	1	xj04f02.x1 cDNA, 3' end /clone=IMAGE:2656251
464F5	131	476	AW572930	Hs.271264 0	1	hf17f07.x1 cDNA, 3' end /clone=IMAGE:2932165
41G6	458	880	Y16645	Hs.271387 0	1	for monocyte chemotactic protein-2 /cds=
464F2	139	220	AW975086	Hs.271420 2.00E-34	1	EST387192 cDNA /gb=AW975086 /gi=8166291 /ug=
178E10	961	1452	AK021715	Hs.271541 0	1	cDNA FLJ11653 fis, clone HEMBA1004538 /cds=UNK
129E1	73	441	NM_016049	Hs.271614 1.00E-136	1	CGI-112 protein (LOC51016), mRNA /cds=(158,78
40C9	4195	4949	X17033	Hs.271986 0	1	integrin alpha-2 subunit /cds=(48,3593) /gb
108E1	917	1331	NM_006811	Hs.272168 0	2	tumor differentially expressed 1 (TDE1), mRNA
155H10	232	715	AL021395	Hs.272279 1.00E-164	1	DNA sequence from clone RP1-269M15 on chromosome 20q1
159D3	38	238	AL034343	Hs.272295 1.00E-106	4	DNA sequence from clone RP1-108C2 on chromosome 6p12.
	744	1166	AL133015	Hs.272307 0	2	mRNA; cDNA DKFZp434O2417 (from clone DKFZp434O
477C3	228	594	AL121934	Hs.272340 1.00E-140	5	DNA sequence from clone RP11-209A2 on chromosome 6. C
477C3 173D12				Ha 272200 0	1	transcription factor ets (TEL2), mRNA /cds=(7
	27	418	NM_016135	Hs.272398 0		T hov 24 /TDV21\ mDNA /odo=/244 4040\ /ab=kik#
173D12	27 1885	418 2345	_		1	T-box 21 (TBX21), mRNA /cds=(211,1818) /gb=NM
173D12 472D9			NM_013351		1	small inducible cytokine subfamily A (Cys-Cys
173D12 472D9 465F9	1885	2345	NM_013351 NM_004167	Hs.272409 0		
173D12 472D9 465F9 41E11	1885 1	2345 277	NM_013351 NM_004167	Hs.272409 0 Hs.272493 1.00E-113	1	small inducible cytokine subfamily A (Cys-Cys
173D12 472D9 465F9 41E11 462E11	1885 1 8	2345 277 526	NM_013351 NM_004167 NM_001503 AE000659	Hs.272409 0 Hs.272493 1.00E-113 Hs.272529 0	1 1	small inducible cytokine subfamily A (Cys-Cys glycosylphosphatidylinositol specific phos
173D12 472D9 465F9 41E11 462E11	1885 1 8 210	2345 277 526 327	NM_013351 NM_004167 NM_001503 AE000659	Hs.272409 0 Hs.272493 1.00E-113 Hs.272529 0 Hs.272550 5.00E-61	1 1 1	small inducible cytokine subfamily A (Cys-Cys glycosylphosphatidylinositol specific phos T-cell receptor alpha delta locus from bases 2
173D12 472D9 465F9 41E11 462E11 104C6 596A3	1885 1 8 210 411	2345 277 526 327 1208	NM_013351 NM_004167 NM_001503 AE000659 NM_013392	Hs.272409 0 Hs.272493 1.00E-113 Hs.272529 0 Hs.272550 5.00E-61 Hs.272736 0 Hs.272793 1.00E-165	1 1 1 5	small inducible cytokine subfamily A (Cys-Cys glycosylphosphatidylinositol specific phos T-cell receptor alpha delta locus from bases 2 nuclear receptor binding protein (NRBP), mRNA
173D12 472D9 465F9 41E11 462E11 104C6 596A3 75C2	1885 1 8 210 411 1892	2345 277 526 327 1208 2188	NM_013351 NM_004167 NM_001503 AE000659 NM_013392 AK000316	Hs.272409 0 Hs.272493 1.00E-113 Hs.272529 0 Hs.272550 5.00E-61 Hs.272736 0 Hs.272793 1.00E-165	1 1 1 5 1	small inducible cytokine subfamily A (Cys-Cys glycosylphosphatidylinositol specific phos T-cell receptor alpha delta locus from bases 2 nuclear receptor binding protein (NRBP), mRNA FLJ20309 fis, clone HEP07296 /cds=(41,127
173D12 472D9 465F9 41E11 462E11 104C6 596A3 75C2 58C6	1885 1 8 210 411 1892 1	2345 277 526 327 1208 2188 956	NM_013351 NM_004167 NM_001503 AE000659 NM_013392 AK000316 NM_006009 AK024471	Hs.272409 0 Hs.272493 1.00E-113 Hs.272529 0 Hs.272550 5.00E-61 Hs.272736 0 Hs.272793 1.00E-165 Hs.272897 0	1 1 1 5 1 2	small inducible cytokine subfamily A (Cys-Cys glycosylphosphatidylinositol specific phos T-cell receptor alpha delta locus from bases 2 nuclear receptor binding protein (NRBP), mRNA FLJ20309 fis, clone HEP07296 /cds=(41,127 Tubulin, alpha, brain-specific (TUBA3), mRNA
173D12 472D9 465F9 41E11 462E11 104C6 596A3 75C2 58C6 190H8	1885 1 8 210 411 1892 1 3246	2345 277 526 327 1208 2188 956 3771	NM_013351 NM_004167 NM_001503 AE000659 NM_013392 AK000316 NM_006009 AK024471 NM_014230	Hs.272409 0 Hs.272493 1.00E-113 Hs.272529 0 Hs.272550 5.00E-61 Hs.272736 0 Hs.272793 1.00E-165 Hs.272897 0 Hs.273230 1.00E-165	1 1 1 5 1 2 2	small inducible cytokine subfamily A (Cys-Cys glycosylphosphatidylinositol specific phos T-cell receptor alpha delta locus from bases 2 nuclear receptor binding protein (NRBP), mRNA FLJ20309 fis, clone HEP07296 /cds=(41,127 Tubulin, alpha, brain-specific (TUBA3), mRNA mRNA for FLJ00064 protein, partial cds /cds=(0
173D12 472D9 465F9 41E11 462E11 104C6 596A3 75C2 58C6 190H8	1885 1 8 210 411 1892 1 3246 1512	2345 277 526 327 1208 2188 956 3771 1860	NM_013351 NM_004167 NM_001503 AE000659 NM_013392 AK000316 NM_006009 AK024471 NM_014230	Hs.272409 0 Hs.272493 1.00E-113 Hs.272529 0 Hs.272550 5.00E-61 Hs.272736 0 Hs.272793 1.00E-165 Hs.272897 0 Hs.273230 1.00E-165 Hs.273307 1.00E-168	1 1 1 5 1 2 2	small inducible cytokine subfamily A (Cys-Cys glycosylphosphatidylinositol specific phos T-cell receptor alpha delta locus from bases 2 nuclear receptor binding protein (NRBP), mRNA FLJ20309 fis, clone HEP07296 /cds=(41,127 Tubulin, alpha, brain-specific (TUBA3), mRNA mRNA for FLJ00064 protein, partial cds /cds=(0 signal recognition particle 68kD (SRP68), mRN
	165F9	165F9 1885	165F9 1885 2345	465F9 1885 2345 NM_013351	-	-

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				-		_	
587F1	1763	1978	AL050353	Hs.274170	1.00E-112	1	mRNA; cDNA DKFZp564C0482 (from clone DKFZp564C
177E5	1448	1876	AK000765	Hs.274248	0	1	FLJ20758 fis, clone HEP01508 /cds=(464,13
59E7	1	301	AF151049	Hs.274344	1.00E-159	3	HSPC215 mRNA, complete cds /cds=(92,451) /gb=
174A6	931	1352	NM 004301	Hs.274350	0	1	BAF53 (BAF53A), mRNA /cds=(136,1425) /gb=NM_0
			_				, , , , , , , , , , , , , , , , , , , ,
99E2	718	1391	NM_018477	Hs.274369	0	4	uncharacterized hypothalamus protein HARP11
117F6	3046	3478	AB037844	Hs.274396	0	2	mRNA for KIAA1423 protein, partial cds /cds=(0
52F3	1724	2342	NM_005346	Hs.274402	1.00E-149	48	heat shock 70kD protein 1 (HSPA1B), mRNA /cds=(
516B1	719	1026	NM_018975	Hs.274428	1.00E-161	2	TRF2-interacting telomeric RAP1 protein (RAP
104A1	1943	2396	AK002127	Hs.274439	0	1	FLJ11265 fis, clone PLACE1009158 /cds=(30
137D6	1697	1817	NM_001403	Hs.274466	8.00E-49	1	eukaryotic translation elongation factor 1 a
108D11	321	646	X16863	Hs.274467	1.00E-160	1	Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD
107F1	567	895	AF283771	Hs.274472	1.00E-168	1	clone TCBAP0774 mRNA sequence /cds=UNKNOWN
							/g
517B9	4	480	NM_002128	Hs.274472	0	3	high-mobility group (nonhistone chromosomal)
514C8	254	539	M12888	Hs.274474	1.00E-144	2	T-cell receptor germline beta-chain gene C-region C-
460G5	602	775	M12679	Hs.274485	3.00E-94	1	Cw1 antigen mRNA, complete cds /cds=(0,617) /gb=M1267
463G7	163	744	D90145	Hs.274535	0	4	LD78 beta gene /cds=(86,367) /gb=D90145 /gi=219907 /
472E10	277	391	Al393960	Hs.274851	6.00E-59	1	tg11d04.x1 cDNA, 3' end /clone=IMAGE:2108455
115A11	156	446	NM_014624	Hs.275243	1.00E-157	8	S100 calcium-binding protein A6 (calcyclin) (
102C6	23	448	AA610514	Hs.275611	1.00E-161	1	np93h02.s1 /clone=IMAGE:1133907 /gb=AA6
160E3	24	304	AA757952	Hs.275773	1.00E-74	3	zg49e07.s1 3' end /clone=IMAGE:396708 /
500B8	26	536	NM_022551	Hs.275865	0	3	ribosomal protein S18 (RPS18), mRNA /cds=(46,5
522D9	184	593	NM_001959	Hs.275959	0	1	eukaryotic translation elongation factor 1 b
151H4	1	196	AA984890	Hs.276063	5.00E-58	1	am62e06.s1 cDNA, 3' end /clone=IMAGE:1576642
476B10	362	615	BF510670	Hs.276341	1.00E-116	1	UI-H-BI4-aof-b-08-0-UI.s1 cDNA, 3' end /cion
144F10	73	279	Al318342	Hs.276662	8.00E-57	1	ta73c09.x1 3' end /clone=IMAGE:2049712
593G1	17	88	BE747210	Hs.276718	2.00E-26	1	601580926F1 cDNA, 5' end /clone=IMAGE:3929430
473E3	205	488	Al380791	Hs.276766	1.00E-144	1	tg04b12.x1 cDNA, 3' end /clone=IMAGE:2107775
598A2	72	427	NM_001803	Hs.276770	0	19	CDW52 antigen (CAMPATH-1 antigen) (CDW52), mR
170H2	83	432	X62466	Hs.276770	0	1	CAMPATH-1 (CDw52) antigen /cds=(33,218)
464F7	2	454	AI492640	Hs.276903		2	qz18a06.x1 cDNA, 3' end /clone=IMAGE:2021842
464E5	102	191	Al493726	Hs.276907		2	qz12f08.x1 cDNA, 3' end /clone=IMAGE:2021319
50B5	42	308	AI581383	Hs.276988		1	to71c02.x1 cDNA, 3' end /clone=IMAGE:2183714
468C6	40	279	AI740667	Hs.277201		1	wg07b07.x1 cDNA, 3' end /clone=IMAGE:2364373
111D12	1	562	AI749435	Hs.277224		9	at24b04.x1 cDNA, 3' end /clone=IMAGE:2356015
459B4	176	367	AI811065	Hs.277293		1	tr03f05.x1 cDNA, 3' end /clone=IMAGE:2217249
477H3	6227	6584	NM_013449	Hs.277401		1	bromodomain adjacent to zinc finger domain, 2A
54A8	34	301	AW050975	Hs.277672	3.00E-48	1	wz25f04.x1 cDNA, 3' end /clone=IMAGE:2559103
459E4	1532	2061	NM_006389	Hs.277704		1	oxygen regulated protein (150kD) (ORP150), mR
109B6	3281	3721	U65785	Hs.277704	0	1	150 kDa oxygen-regulated protein ORP150 mRNA, complet
524H7	2979	3350	NM_005899	Hs.277721	0	1	membrane component, chromosome 17, surface ma
472F10	425	556	AW082714	Hs.277738	5.00E-69	1	xb61f07.x1 cDNA, 3' end /clone=IMAGE:2580805
176D1	113	269	AW262728	Hs.277994	6.00E-32	1	xq94a12.x1 cDNA, 3' end /clone=IMAGE:2758270
464H4	2138	3563	NM_016733	Hs.278027	0	9	LIM domain kinase 2 (LIMK2), transcript varian
145C9	533	1446	D13316	Hs.278238	0	3	transcription factor, E4TF1-47, complete cds
161C3	339	560	NM_002041	Hs.278238	1.00E-123	1	GA-binding protein transcription factor, bet

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74C9	345	1048	AK026632	Hs.278242 0	3	FLJ22979 fis, clone KAT11379, highly sim
59E2	255	782	L24804	Hs.278270 0	2	(p23) mRNA, complete cds /cds=(232,714) /gb=L24804 /
521H10	8	461	AI720536	Hs.278302 1.00E-114	4	as83c02.x1 cDNA, 3' end /clone=IMAGE:2335298
118C6	830	1104	NM_001995	Hs.278333 1.00E-148	1	fatty-acid-Coenzyme A ligase, long-chain 1 (
104E9	248	417	AF151054	Hs.278429 2.00E-78	1	HSPC220 mRNA, complete cds /cds=(288,818) /gb
594F10	379	1760	NM_016520	Hs.278429 0	4	hepatocellular carcinoma-associated antigen
126D11	7374	7716	NM 006289		1	talin (TLN), mRNA /cds=(126,7751) /gb=NM_0062
589E6	3078	5778	NM_003105		3	sortilin-related receptor, L(DLR class) A re
102C10	669	1180	D14041	Hs.278573 0	1	for H-2K binding factor-2, complete cds /
526H8	167	4709	NM 015874	Hs.278573 0	5	H-2K binding factor-2 (LOC51580), mRNA /cds=(
	732	1305	_	Hs.278586 0	1	• , , , , , , , , , , , , , , , , , , ,
120A12			AB029031			mRNA for KIAA1108 protein, partial cds /cds=(0
126F4	3138	3515	AF035737	Hs.278589 0	2	general transcription factor 2-I (GTF2I) mRNA
40A7	3179	3864	U24578	Hs.278625 0	1	RP1 and complement C4B precursor (C4B) genes, partial
50C4	4401	4581	AB002334	Hs.278671 2.00E-60	1	KIAA0336 gene, complete cds /cds=(253,5004)
106E12	104	1222	D50525	Hs.278693 0	11	TI-227H /cds=UNKNOWN /gb=D50525 /gi=1167502
467E10	168	542	BE973840	Hs.278704 1.00E-145	1	601680647F1 cDNA, 5' end /clone=IMAGE:3951154
75F2	1121	1772	J04755	Hs.278718 0	37	ferritin H processed pseudogene, complete cds /cds=UN
170E12	204	843	AL121735	Hs.278736 0	2	Isoform of human GTP-binding protein G25K /cds=(104,679) /
103F4	589	926	NM_019597	Hs.278857 0	1	heterogeneous nuclear ribonucleoprotein H2
37F8	3	519	U01923	Hs.278857 0	1	BTK region clone ftp-3 mRNA /cds=UNKNOWN /gb=U01923 /
66B11	2195	2512	AB029027	Hs.279039 1.00E-172	1	for KIAA1104 protein, complete cds /cds=(
171G3	219	815	AK027258	Hs.279040 0	2	FLJ23605 fis, clone LNG15982, highly sim
172E12	18	95	NM_014065	Hs.279040 4.00E-27	2	HT001 protein (HT001), mRNA /cds=(241,1203) /
596A12	1	225	BE220869	Hs.279231 2.00E-78	1	hu01g02.x1 cDNA, 3' end /clone=IMAGE:3165362
61H2	20	220	BE279328	Hs.279429 2.00E-32	3	601157666F1 cDNA, 5' end /clone=IMAGE:3504328
					•	
458E12	1835	2473	NM_014160	Hs.279474 0	1	HSPC070 protein (HSPC070), mRNA /cds=(331,158
110F3	983	1614	NM 016160	Hs.279518 0	1	amyloid precursor protein homolog HSD-2 (LOC5
37E5	39	732	AK001403	Hs.279521 0	1	FLJ10541 fis, clone NT2RP2001381 /cds=(3
66D6	6	463	BE502919	Hs.279522 0	1	hz81b08.x1 cDNA, 3' end /clone=IMAGE:3214359
123A11	411	903	NM_013237		2	px19-like protein (PX19), mRNA /cds=(176,835)
185A10	809	1324	NM 002817	Hs.279554 0	1	proteasome (prosome, macropain) 26S subunit,
472H9	88	543	AL582047	Hs.279555 0	1	AL582047 cDNA /clone=CS0DL003YD01-(3-prime)
						,
41A2	1	326	AK000575	Hs.279581 1.00E-162	1	FLJ20568 fis, clone REC00775 /cds=(6,422)
135F4	648	935	NM 016283	Hs.279586 1.00E-110	1	adrenal gland protein AD-004 (LOC51578), mRNA
69D9	841	935	D16217	Hs.279607 9.00E-40	1	calpastatin, complete cds /cds=(162,2288) /
116B6	938	1562	NM_001750	Hs.279607 0	1	calpastatin (CAST), mRNA /cds=(66,1358) /gb=
473F4	6847	7401	NM_007329	Hs.279611 0	1	deleted in malignant brain tumors 1 (DMBT1), tr
123C7	2488	2684	NM_021644		1	heterogeneous nuclear ribonucleoprotein H3
586E2	357	633	NM 014169		1	HSPC134 protein (HSPC134), mRNA /cds=(45,716)
464D6	383	524	NM_016154		1	ras-related GTP-binding protein 4b (RAB4B), m
99 G 9	1375	1835	NM_013388		1	prolactin regulatory element binding (PREB),
590F4	1045	1540	NM_003883		2	histone deacetylase 3 (HDAC3), mRNA /cds=(55,1
163E1	59	564	NM 015932		3	hypothetical protein (HSPC014), mRNA /cds=(8
525G5	3914		NM_014819		3 1	KIAA0438 gene product (KIAA0438), mRNA /cds=(
32363	J314	7100	14141_014018	113.213043 1.UUE-130	•	INITIATION GETTE PRODUCT (INITIATION), HINTAN 1005-(
598A10	9	821	NM_003295	Hs.279860 0	19	tumor protein, translationally-controlled 1
526C8	734	1166	NM_016007		1	CGI-59 protein (LOC51625), mRNA /cds=(2,1153)
0_000	. 0-		010001		•	33. 33 proton (2000 1020), militar (1000 (2,1100)

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

183G12	758	1093	NM_017774	Hs.279893 0	1	hypothetical protein FLJ20342 (FLJ20342), mR
36B3	247	611	AK025623	Hs.279901 0	1	FLJ21970 fis, clone HEP05733, highly sim
592G3	479	1052	NM 016146	Hs.279901 0	4	PTD009 protein (PTD009), mRNA /cds=(257,916)
38F5	811	1256	AF151875	Hs.279918 0	4	CGI-117 protein mRNA, complete cds /cds=(456,9
					•	hypothetical protein (HSPC111), mRNA /cds=(6
161E3	542	862	NM_016391		1	
584F11	10	212	NM_014248	Hs.279919 1.00E-112	2	ring-box 1 (RBX1), mRNA /cds=(6,332) /gb=NM_0
588H7	400	1155	NM_003404	Hs.279920 0	12	tyrosine 3-monooxygenase/tryptophan 5-monoo
169C8	400	1155	X57346	Hs.279920 1.00E-131	2	HS1 protein /cds=(372,1112) /gb=X57346
147A1	209	1978	AK025927	Hs.279921 0	8	FLJ22274 fis, clone HRC03616, highly sim
591H11	48	1810	NM_016127	Hs.279921 1.00E-176	33	HSPC035 protein (LOC51669), mRNA /cds=(16,103
			· · · · · · · · · · · · · · · · · · ·			, , ,
69D1	727	1776	NM 014366	Hs.279923 0	3	putative nucleotide binding protein, estradio
52C6	303	1151	V00522	Hs.279930 0	2	encoding major histocompatibility complex gene
158C11	2483	2785	D84224	Hs.279946 1.00E-166	2	methionyl tRNA synthetase, complete c
194E7	1525	1767	NM_004990	Hs.279946 1.00E-125	1	methionine-tRNA synthetase (MARS), mRNA /cds
62E5	215	701	U93243	Hs.279948 0	1	Ubc6p homolog mRNA, complete cds /cds=(27,983)
145G3	1	1882	AK024090	Hs.281434 1.00E-147	5	FLJ14028 fis, clone HEMBA1003838 /cds=UN
473A6	1	310	BE552131	Hs.282091 1.00E-158	1	hw29b05.x1 cDNA, 3' end /clone=IMAGE:3184305
52C12	1	455	R67739	Hs.282401 0	1	yi28c06.r1 cDNA, 5' end /clone=IMAGE:140554 /
112A3	5072	5274	NM_006165	Hs.282441 3.00E-83	1	nuclear factor related to kappa B binding prote
			_			
61H3	443	577	AV648638	Hs.282867 2.00E-68	4	AV648638 cDNA, 3' end /clone=GLCBLE12 /clone_
			. =		_	
37D3	38	766	AF287008	Hs.283022 0	5	triggering receptor expressed on monocytes 1
125C5	32	748	NM_018643	Hs.283022 0	13	triggering receptor expressed on myeloid cell
41B1	597	1084	NM_018636	Hs.283106 0	2	hypothetical protein PRO2987 (PRO2987), mRNA
111E9	1111	1405	AB037802	Hs.283109 1.00E-152	1	mRNA for KIAA1381 protein, partial cds /cds=(0
169D7	5	175	BE672733	Hs.283216 2.00E-37	1	7b75g07.x1 3' end /clone=IMAGE:3234108
74G11	47	384	BE676472	Hs.283267 1.00E-151	1	7f30c05.x1 cDNA, 3' end /clone=IMAGE:3296168
191A5	256	890	NM_018507	Hs.283330 0	3	hypothetical protein PRO1843 (PRO1843), mRNA
			_		2	•
465B7	114	638	AW979262	Hs.283410 0	2	EST391372 cDNA /gb=AW979262 /gi=8170550 /ug=
4.4054	4070	0050	NIN4 000047	II- 000044 4 00E 440	4	burneth stiret weeks DVEZ-CAZIO4.4 (DVEZ-CAZI
143E1	1970	2258	NM_020217	Hs.283611 1.00E-110	1	hypothetical protein DKFZp547I014 (DKFZp547I
54E9	385	739	AF116620	Hs.283630 0	3	PRO1068 mRNA, complete cds /cds=UNKNOWN
						/gb=A
462D10	63	279	NM_007220	Hs.283646 1.00E-119	1	carbonic anhydrase VB, mitochondrial (CA5B),
518B11	359	690	NM_016056	Hs.283670 1.00E-167	2	CGI-119 protein (LOC51643), mRNA /cds=(0,776)
36H5	1	226	BE778549	Hs.283674 8.00E-85	1	601466063F1 cDNA, 5' end /clone=IMAGE:3869391
126H10	907	1431	NM_017801	Hs.283685 0	1	hypothetical protein FLJ20396 (FLJ20396), mR
69B1	2288	3232	AF103803	Hs.283690 0	6	clone H41 unknown mRNA /cds=(323,1099) /gb=AF
		0202			•	Concern and the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Concern of the Conce
98B1	162	489	NM 018476	Hs.283719 1.00E-110	1	uncharacterized hypothalamus protein HBEX2
	997		NM 020151			GTT1 protein (GTT1), mRNA /cds=(553,1440) /gb
39C3		3088	_	Hs.283722 0	2	
592E4	13	2219	NM_020357		2	PEST-containing nuclear protein (pcnp), mRNA
142F11	138	371	AF173296	Hs.283740 1.00E-130	1	e(y)2 homolog mRNA, complete cds /cds=(216,521
592F3	480	858	NM_013234	Hs.283781 0	2	muscle specific gene (M9), mRNA /cds=(171,827)
159E5	3	281	AL121916	Hs.283838 1.00E-113	6	DNA sequence from clone RP1-189G13 on
						chromosome 20.
142H10	517	892	AL121585	Hs.283864 9.00E-70	2	DNA sequence from clone RP11-504H3 on
						chromosome 20 C
166D3	1	227	X72475	Hs.283972 6.00E-70	1	for rearranged lg kappa light chain variable
134E8	980	1302	NM_014110	Hs.284136 0	47	PRO2047 protein (PRO2047), mRNA /cds=(798,968
			011110		••	
596C5	30	705	NM 006134	Hs.284142 0	2	chromosome 21 open reading frame 4 (C21ORF4), m
33003	50	100	14141_000134	113.204142 0	4	ontomosome 21 open reading name + (0210/114), 111

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74A4	1944	2157	AL359585	Hs.284158 1.0	00E-110	3	cDNA DKFZp762B195 (from clone DKFZp762B1
159A4	159	1414	AF165521	Hs.284162 0		4	ribosomal protein L30 isolog (L30) mRNA, compl
597F9	836	1000	NM_016304	Hs.284162 1.0	00E-88	1	60S ribosomal protein L30 isolog (LOC51187), m
462D2	655	1306	NM_016301	Hs 284164 0		1	protein x 0004 (LOC51184), mRNA /cds=(31,885)
458C6	720	910	AP001753	Hs.284189 1.0	00E-102	1	genomic DNA, chromosome 21q, section 97/105 /
165D5	1482	2302	AB040120	Hs.284205 0		2	mRNA for BCG induced integral membrane protein
180C12	309	602	BF381953	Hs.284235 1.0	00E-148	2	601816251F1 cDNA, 5' end /clone=IMAGE:4050061
67D9	27	2026	AK024969	Hs.284249 0		10	FLJ21316 fis, clone COL02253, highly sim
39D1	307	2899	U90552	Hs.284283 0		5	butyrophilin (BTF5) mRNA, complete cds /cds=(359,190
147C8	391	556	AF161451	Hs.284295 2.0	00F-58	1	HSPC333 mRNA, partial cds /cds=(0,443) /gb=AF
192C12	333	484	AV700210	Hs.284605 5.0		1	AV700210 cDNA, 3' end /clone=GKBALC03 /clone_
102012	000	707	7.47.002.10	710.20 1000 0.0	001 07	•	7. (100 E 10 0 E 10 10 0 E 10 0 E 10 0 E 10 0 E 10 0 E 10 0 E 10 0 E 10 0 E 10 0 E 10 0 E 10 0 E 10 0 E 10 0 E
49G11	380	523	AV700636	Hs.284674 4.0	00E-33	1	AV700636 cDNA, 3' end /clone=GKBAGH12 /clone_
445044	275	4004	A14000004	LI- 005047.0			-DNA EL M2220 Es alana OVADC4000406 /ada-/45
115C11	375	1001	AK023291	Hs.285017 0		1	cDNA FLJ13229 fis, clone OVARC1000106 /cds=(15
458H8	1544	2233	AK023459	Hs.285107 0		1	cDNA FLJ13397 fis, clone PLACE1001351 /cds=(22
70F4	11	605	AV700298	Hs.285173 0		4	AV700298 cDNA, 3' end /clone=GKCBVGO5 /clone_
cece	604	1115	NINA 001200	Un 205242 0		E	core premater element hinding protein (CODED)
66C6	684	1415	NM_001300	Hs.285313 0		5	core promoter element binding protein (COPEB),
169F2	4	460	BF684382	Hs.285555 0	005.00	2	602141836F1 5' end /clone=IMAGE:4302776 rearranged immunoglobulin mRNA for mu heavy chain
171F12	646	839	X58529	Hs.285823 6.0	00E-99	2	enh
142F10	1438	1728	AK025788	Hs.285833 1.0	00E-152	1	FLJ22135 fis, clone HEP20858 /cds=UNKNOW
171H2	1	2500	AL050376	Hs.285853 5.0	00E-21	1	mRNA; cDNA DKFZp586J101 (from clone DKFZp586J1
40C5	786	1163	AK026603	Hs.286124 0		2	FLJ22950 fis, clone KAT09618, highly sim
458D9	55	684	NM_016041	Hs.286131 0		1	CGI-101 protein (LOC51009), mRNA /cds=(6,635)
458D1	1	310	AK025886	Hs.286194 1.0	00E-151	1	cDNA: FLJ22233 fis, clone HRC02016 /cds=(35,12
515C10	817	1136	AK021791	Hs.286212 1.0		1	cDNA FLJ11729 fis, clone HEMBA1005394, modera
	• • •						,
71C7	285	2441	AK026933	Hs.286236 0		7	cDNA: FLJ23280 fis, clone HEP07194 /cds=(468,1
184B9	372	612	BE965319	Hs.286754 3.0	00E-66	2	601659229R1 cDNA, 3' end /clone=IMAGE:3895783
586C12	18	381	NM 000996	Hs.287361 0		3	ribosomal protein L35a (RPL35A), mRNA /cds=(6
36C6	152	685	AJ277247	Hs.287369 0		37	for interleukin 21 (IL-21 gene) /cds=(71,
513H8	17	690		Hs.287369 0		510	interleukin 22 (IL22), mRNA /cds=(71,610) /gb
586G2	3978	4107	NM 021621	Hs.287387 3.0	00E-68	1	caspase recruitment domain protein 7 (CARD7),
99D12	2330	2851	NM_015906	Hs.287414 0		1	transcriptional intermediary factor 1 gamma (
182A2	284	576	AK024331	Hs.287631 1.0	00E-156	1	cDNA FLJ14269 fis, clone PLACE1003864 /cds=UN
	_0.	0.0				•	
465A11	2226	2321	AK024372	Hs.287634 1.0	00E-42	1	cDNA FLJ14310 fis, clone PLACE3000271 /cds=(40
190A11	679	1126	AK026769	Hs.287725 0		1	cDNA: FLJ23116 fis, clone LNG07945, highly sim
75E2	479	837	AL390738	Hs.287788 1.0	00E-146	3	DNA sequence from clone RP11-438F9 on
							chromosome 13 C
59B7	488	1071	AK022537	Hs.287863 0		1	FLJ12475 fis, clone NT2RM1000962 /cds=(16
460E8	1611	1979	AK024092	Hs.287864 0		1	cDNA FLJ14030 fis, clone HEMBA1004086 /cds=UNK
465F11	5714	6271	NM_006312	Hs.287994 0		1	nuclear receptor co-repressor 2 (NCOR2), mRNA
150E12	2041	2720	AK026834	Hs.287995 0		3	FLJ23181 fis, clone LNG11094 /cds=UNKNOW
52D9	703	1482	AB016247	Hs.288031 0		1	for sterol-C5-desaturase, complete cds
37F4	1091	1655	AK025375	Hs.288061 1.0	00E-141	20	FLJ21722 fis, clone COLF0522, highly sim
188G5	1081	1753	NM_001101	Hs.288061 0		69	actin, beta (ACTB), mRNA /cds=(73,1200) /gb=N
							, , , , , , , , , , , , , , , , , , , ,

171C12	2103	2426	AB046857	Hs.288140 1.00E-1	158	1	KIAA1637 protein, partial cds /cds=(0
104E8	1354	1790	AK023078	Hs.288141 0		1	FLJ13016 fis, clone NT2RP3000624, modera
181A4	1890	2507	AK022030	Hs.288178 0		2	cDNA FLJ11968 fis, clone HEMBB1001133 /cds=UNK
129A1	3522	3748	J04144	Hs.288204 1.00E-1	125	1	angiotensin I-converting enzyme mRNA, complete cds
598D12	1464	1947	AK025643	Hs.288224 0		3	cDNA: FLJ21990 fis, clone HEP06386 /cds=(22,49
52E6	920	1388	AK023402	Hs.288416 0		2	FLJ13340 fis, clone OVARC1001942, weakly
165E3	303	640	NM_020666	Hs.288417 0		1	protein serine threonine kinase Clk4 (CLK4),
53D3	1	153	AK022280	Hs.288435 6.00E-7		1	FLJ12218 fis, clone MAMMA1001075, modera
586C2	223	448	BF110312	Hs.288443 1.00E-6		3	7n36d08.x1 cDNA, 3' end /clone=IMAGE:3566654
				Hs.288455 0		1	cDNA: FLJ23270 fis, clone COL10309, highly sim
521F12	1922	2248	AK026923				
120A11	825	1855	AK026078	Hs.288555 0		2	cDNA: FLJ22425 fis, clone HRC08686 /cds=UNKNOW
129D11	1723	1984	AK023470	Hs.288673 1.00E-	143	2	FLJ13408 fis, clone PLACE1001672, weakly
109B12	1686	2086	AK025215	Hs.288708 1.00E-	121	8	FLJ21562 fis, clone COL06420 /cds=(238,2
178F11	387	558	NM_005402	Hs.288757 3.00E-9	93	1	v-ral simian leukemia viral oncogene homolog
58F8	1262	1604	AK022735	Hs.288836 0		1	cDNA FLJ12673 fis, clone NT2RM4002344 /cds=(2,
163E11	360	1687	AK024094	Hs.288856 1.00E-2	25	2	FLJ14032 fis, clone HEMBA1004353, highly
105B4	741	1243	AK025092	Hs.288872 0		1	FLJ21439 fis, clone COL04352 /cds=(206,1
106D10	1598	2291	AB014515	Hs.288891 0		3	for KIAA0615 protein, complete cds /cds=(
460F8	154	2487	NM_021818	Hs.288906 1.00E-	150	2	WW Domain-Containing Gene (WW45), mRNA /cds=(
48A6	560	1258	NM_017644	Hs.288922 0		1	hypothetical protein FLJ20059 (FLJ20059), mR
168B10	1271	1747	AK023320	Hs.288929 0		1	FLJ13258 fis, clone OVARC1000862, modera
114E2	2395	2849	AK023256	Hs.288932 0		1	cDNA FLJ13194 fis, clone NT2RP3004378, weakly
586F9	368	730	AK026363	Hs.288936 1.00E-	162	4	cDNA: FLJ22710 fis, clone HSI13340 /cds=UNKNOW
180B4	831	959	NM_000344	Hs.288986 1.00E-3		1	survival of motor neuron 1, telomeric (SMN1),
149A12	10	1958	AK025467	Hs.289008 0		5	FLJ21814 fis, clone HEP01068 /cds=UNKNOW
117B5	5160	5611	NM_012231	Hs.289024 1.00E-	141	1	PR domain containing 2, with ZNF domain (PRDM2)
469A5	3132	3365	AK024456	Hs.289034 1.00E-	106	1	mRNA for FLJ00048 protein, partial cds /cds=(2
461F6	396	473	AK024197	Hs.289037 7.00E-3	37	1	cDNA FLJ14135 fis, clone MAMMA1002728 /cds=UN
176G11	1049	1811	AK024669	Hs.289069 0		4	cDNA: FLJ21016 fis, clone CAE05735 /cds=(90,11
473A5	1343	1937	NM_013326	Hs.289080 0		1	colon cancer-associated protein Mic1 (MIC1),
591G2	14	2259	NM_005348	Hs.289088 0		14	heat shock 90kD protein 1, alpha (HSPCA), mRNA
70D3	21	2912	X15183	Hs.289088 0		17	90-kDa heat-shock protein /cds=(60,2258) /g
37E8	780	1509	AK026033	Hs.289092 0		5	FLJ22380 fis, clone HRC07453, highly sim
74B10	408	791	X00453	Hs.289095 1.00E-	153	2	gene fragment for DX alpha-chain signal peptide,
518B5	870	1128	NM_005313	Hs.289101 1.00E-	119	1	glucose regulated protein, 58kD (GRP58), mRNA
472A3	116	304	X83300	Hs.289103 4.00E-	84	1	H.sapiens SMA4 mRNA /cds=(66,488) /gb=X83300 /gi=603028 /
112G6	1703	2550	NM_001166	Hs.289107 0		5	baculoviral IAP repeat-containing 2 (BIRC2),
37F11	1996	2580	U37547	Hs.289107 0		2	IAP homolog B (MIHB) mRNA, complete cds /cds=(1159,301
169A12	371	588	X57812	Hs.289110 2.00E-	-84	1	rearranged immunoglobulin lambda light chain /c
472D6	2102	2424	AF294900	Hs.289118 1.00E-	-121	1	beta, beta-carotene 15,15'- dioxygenase (BCD
151D1	2214	2294	AK025846	Hs.289721 1.00E-		2	FLJ22193 fis, clone HRC01108 /cds=UNKNOW
40A8	160	346	Al761924	Hs.289834 2.00E-		1	wg68h03.x1 cDNA, 3' end /clone=IMAGE:2370293
468D5	42	105	AA719103	Hs.290535 5.00E-		1	zh33d10.s1 cDNA, 3' end /clone=IMAGE:413875 /
515B6	7	249	AA837754	Hs.291129 2.00E-		1	oe10d02.s1 cDNA /clone=IMAGE:1385475 /gb=AA
594C9	16	319	NM_005745	Hs.291904 1.00E-			accessory proteins BAP31/BAP29 (DXS1357E), m
476C10	180	311	Al184710	Hs.292276 8.00E-		1	qd64a01.x1 cDNA, 3' end /clone=IMAGE:1734216
466G5	65	431	AA461604	Hs.292451 0	J_	1	zx51d08.r1 cDNA, 5' end /clone=IMAGE:795759 /
	99	70 I	AA401004	113.202401 U		•	2010011 00141, 0 010 1010-114/AGE.1991991

331F12	142	314	BF310166	Hs.292457 3.00E-85	1	601894826F1 cDNA, 5' end /clone=IMAGE:4124119
590D6	1	406	BG339050	Hs.292457 0	2	602436875F1 cDNA, 5' end /clone=IMAGE:4554643
150G5	160	431	AI440234	Hs.292490 6.00E-66	1	ti99h12.x1 cDNA, 3' end /clone=IMAGE:2140199
594F8	319	447	AA761571	Hs.292519 1.00E-57	1	nz23d06.s1 cDNA, 3' end /clone=IMAGE:1288619
122E2	91	307	AI582954	Hs.292553 4.00E-47	1	tr98e07.x1 cDNA, 3' end /clone=IMAGE:2227140
41E5	363	463	D59502	Hs.292590 3.00E-48	1	HUM041H11A cDNA, 3' end /clone=GEN-041H11 /cl
4120	000	400	D00002	113.202000 0.002-40	•	TIOMOTHTIA CONA, O CHARGONE-GEN-0411117C
99B8	215	378	Al672433	Hs.292615 6.00E-62	4	wa03b05.x1 cDNA, 3' end /clone=IMAGE:2296977
72C6	198	484	AA719537	Hs.292877 1.00E-112	3	zh40g12.s1 cDNA, 3' end /clone=IMAGE:414598 /
157H5	49	447	Al962127	Hs.292901 1.00E-126	1	wx77f07.x1 3' end /clone=IMAGE:2549701
115C2	2052	2613	NM_006310	Hs.293007 0	1	aminopeptidase puromycin sensitive (NPEPPS),
463F3	14	445	AW629485	Hs.293352 0	2	hi59b07.x1 cDNA, 3' end /clone=IMAGE:2976565
193H8	94	333	AI263141	Hs.293444 7.00E-58	1	qw90c01.x1 cDNA, 3' end /clone=IMAGE:1998336
170G9	46	713	AI452611	Hs.293473 9.00E-21	1	tj27g07.x1 cDNA, 3' end /clone=IMAGE:2142780
100F9	554	666	BE905040	Hs.293515 2.00E-43	1	601496859F1 cDNA, 5' end /clone=IMAGE:3898767
588G9	153	507	BF794089	Hs.293658 1.00E-143	1	602255649F1 cDNA, 5' end /clone=IMAGE:4338732
					·	
142G8	2	231	AV701332	Hs.293689 1.00E-79	1	AV701332 cDNA, 5' end /clone=ADAABD03 /clone_
137A4	1	557	BF029654	Hs.293777 0	1	601765621F1 cDNA, 5' end /clone=IMAGE:3997900
478C6	442	622	BE748123	Hs.293842 3.00E-63	1	601571679F1 cDNA, 5' end /clone=IMAGE:3838675
47000	442	022	DE740123	HS.293042 3.00E-03	1	601371679F1 CDINA, 5 end /Clone-IIVIAGE.3636673
100E7	198	488	BE748663	Hs.293842 1.00E-145	1	601571679T1 cDNA, 3' end /clone=IMAGE:3838675
110B4	246	469	NM_016398	Hs.293905 1.00E-122	1	hypothetical protein (HSPC131), mRNA /cds=(1
466D2	198	543	AW972477			
400D2	190	545	AVV9/24//	Hs.294083 1.00E-180	1	EST384568 cDNA /gb=AW972477 /gi=8162323 /ug=
100C10	1	398	AW963235	Hs.294092 0	2	EST375308 /gb=AW963235 /gi=8153071 /ug=
118F10	418	552	BF245076	Hs.294110 1.00E-48	1	601863910F1 cDNA, 5' end /clone=IMAGE:4082235
					·	
596H2	1150	2308	BC002450	Hs.294135 0	20	ribosomal protein L4, clone MGC:776, mRNA, co
596B4	139	414	BE621121	Hs.294309 7.00E-73	3	601493943F1 cDNA, 5' end /clone=IMAGE:3896051
114D4	600	738	BE961923	Hs.294348 8.00E-33	1	601655335R1 cDNA, 3' end /clone=IMAGE:3845768
66D11	185	625	BE963811	Hs.294578 1.00E-127	6	601657462R1 cDNA, 3' end /clone=IMAGE:3875846
						·
53E11	433	701	BE964149	Hs.294612 5.00E-81	1	601657833R1 cDNA, 3' end /clone=IMAGE:3875984
179A11	442	776	BF313856	Hs.294754 9.00E-79	1	601902261F1 5' end /clone=IMAGE:4134998
102B9	146	347	H71236	Hs.295055 7.00E-90	2	ys12f10.s1 cDNA, 3' end /clone=IMAGE:214603 /
110F4	136	358	H80108	Hs.295107 1.00E-118		yu09f02.s1 cDNA, 3' end /clone=IMAGE:233307 /
593F2	78	381	AF212224	Hs.295231 1.00E-172		CLK4 mRNA, complete cds /cds=(153,1514) /gb=A
50G9	355	415	AI052431	Hs 295451 1.00E-26	2	oz07e08.x1 cDNA, 3' end /clone=IMAGE:1674662
102E4	99	413				•
			AI560651	Hs.295682 1.00E-146		tq60f01.x1 cDNA, 3' end /clone=IMAGE:2213209
486F7	263	489	BF572855	Hs.295806 1.00E-100	1	602079424F2 cDNA, 5' end /clone=IMAGE:4254172
39C1	2054	2315	AL050141	Hs.295833 1.00E-144	6	cDNA DKFZp586O031 (from clone DKFZp586O0
192D3	48	551	AW081320	Hs.295945 1.00E-158	4	xc30f12.x1 cDNA, 3' end /clone=IMAGE:2585807
102B7	753	850	AL117536	Hs.295969 5.00E-39	1	cDNA DKFZp434G012 (from clone DKFZp434G0
168D1	73	1193	AL360190	Hs.295978 1.00E-134	3	mRNA full length insert cDNA clone EUROIMAGE 74
47D6	103	331	AW150085	Hs.295997 3.00E-79	8	xg36f04.x1 cDNA, 3' end /clone=IMAGE:2629663
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151H9 56A1 525D12 72C12	197 1034 42 280	507 1220 545 545	AW264291 AJ012504 AI922889 AW166001	Hs.296057 1.00E-113 Hs.296151 3.00E-74 Hs.296159 1.00E-148 Hs.296159 1.00E-84	1	xq97g08.x1 cDNA, 3' end /clone=IMAGE:2758622 activated in tumor suppression, clone TSA wn64g11.x1 cDNA, 3' end /clone=IMAGE:2450276 xf43e11.x1 cDNA, 3' end /clone=IMAGE:2620844
99B1	21	286	BE259480	Hs.296183 4.00E-81	3	601106571F1 cDNA, 5' end /clone=IMAGE:3342929
143F5	18	178	BE962588	Hs.296183 1.00E-55	1	601655929R1 cDNA, 3' end /clone=IMAGE:3855823
110A10	2115	2237	AL096752	Hs.296243 1.00E-61	1	cDNA DKFZp434A012 (from clone DKFZp434A0
170G1	16	304	BE964134	Hs.296246 4.00E-96	1	601657818R1 cDNA, 3' end /clone=IMAGE:3876028
597G5	168	1564	NM_014456	Hs.296251 0	18	programmed cell death 4 (PDCD4), mRNA /cds=(84
184A12	686	1564	U96628	Hs.296251 0	2	nuclear antigen H731-like protein mRNA, compl
479H10	247	540	NM_002072	Hs.296261 1.00E-117	1	guanine nucleotide binding protein (G protein
179H11	48	250	BF315059	Hs.296266 3.00E-56	1	601899090F1 5' end /clone=IMAGE:4128334
182E9	1576	2251	AK023460	Hs.296275 0	2	FLJ13398 fis, clone PLACE1001377, highly
459B11	305	545	BF340402	Hs.296317 1.00E-79	1	602036746F1 cDNA, 5' end /clone=IMAGE:4184602
459B12	349	721	AK001838	Hs.296323 0	1	cDNA FLJ10976 fis, clone PLACE1001399 /cds=UN
179F8	1	756	BF342246	Hs.296333 0	2	602013019F1 5' end /clone=IMAGE:4148741
171D1	12	330	AV693913	Hs.296339 1.00E-100	1	AV693913 cDNA, 5' end /clone=GKCDVG04 /clone_
39B9	1	297	AB046771	Hs.296350 1.00E-167	1	for KIAA1551 protein, partial cds /cds=(0
36H12	547	1089	M96995	Hs.296381 0	2	epidermal growth factor receptor-binding pro
459F1	867	1020	NM_014499	Hs.296433 4.00E-76	1	putative purinergic receptor (P2Y10), mRNA /c
584A11	615	1287	NM_006392	Hs.296585 0	4	nucleolar protein (KKE/D repeat) (NOP56), mRN
593F7	209	752	NM_005678	Hs.296948 0	2	SNRPN upstream reading frame (SNURF), transcr
174F7	493	681	BE253125	Hs.297095 2.00E-60	5	601116648F1 cDNA, 5' end /clone=IMAGE:3357178
123H9	132	413	BE965554	Hs.297190 9.00E-88	1	601659486R1 cDNA, 3' end /clone=IMAGE:3896204
123D6	1105	1595	AF113676	Hs.297681 0	1	clone FLB2803 PRO0684 mRNA, complete cds /cds=
71C6	1076	1630	NM_003380	Hs.297753 0	2	vimentin (VIM), mRNA /cds=(122,1522) /gb=NM_0
586G5	1179	1452	NM_001908	Hs.297939 1.00E-142	1	cathepsin B (CTSB), mRNA /cds=(177,1196) /gb=
521E7	1	220	NM_001022	Hs.298262 1.00E-119	4	ribosomal protein S19 (RPS19), mRNA /cds=(22,4
466H7	9	339	AW614181	Hs.298654 1.00E-153	1	hg77d03.x1 cDNA, 3' end /clone=IMAGE:2951621
464A4	675	1232	BC001077	Hs.299214 0	1	clone IMAGE:2822295, mRNA, partial cds /cds=
466F3	49	337	AA132448	Hs.299416 1.00E-141	1	zo20a03.s1 cDNA, 3' end /clone=IMAGE:587404 /
589B10	123	339	AW073707	Hs.299581 1.00E-55	30	xb01h03.x1 cDNA, 3' end /clone=IMAGE:2575061
521H4	3	371	NM_001000	Hs.300141 1.00E-125	4	ribosomal protein L39 (RPL39), mRNA /cds=(37,1
599F12	36	328	AW243795	Hs.300220 2.00E-67	1	xo56f02.x1 cDNA, 3' end /clone=IMAGE:2707995
479A6	173	356	AW262077	Hs.300229 3.00E-64	1	xq61e07.x1 cDNA, 3' end /clone=IMAGE:2755140
111C8	806	1350	NM_018579	Hs.300496 1.00E-147	6	mitochondrial solute carrier (LOC51312), mRN
459D8	1	679	NM_014478	Hs.300684 0	1	calcitonin gene-related peptide-receptor co
522C5	98	1360	NM_001154	Hs.300711 0	10	annexin A5 (ANXA5), mRNA /cds=(192,1154) /gb=
596B7	407	750	NM_003130	Hs.300741 2.00E-83	1	sorcin (SRI), mRNA /cds=(12,608) /gb=NM_00313
191A3	210	440	AA788623	Hs.301104 4.00E-34	9	ah29f09.s1 cDNA, 3' end /clone=1240265 /clone
123E1	15	267	BE963194	Hs.301110 1.00E-60	11	601656811R1 cDNA, 3' end /clone=IMAGE:3865731
116F11	346	650	NM_014029	Hs.301175 2.00E-71	2	HSPC022 protein (HSPC022), mRNA /cds=(18,623)
58D4	489	611	AW863111	Hs.301183 8.00E-50	1	MR3-SN0009-010400-101-f02 cDNA /gb=AW863111
122D8	3644	4034	AB037808	Hs.301434 0	1	mRNA for KIAA1387 protein, partial cds /cds=(0

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				•	•	
520F11	276	553	BE886472	Hs.301486 1.00E-111	1	601509688F1 cDNA, 5' end /clone=IMAGE:3911301
E12EE	71	607	NIM 001011	Hs.301547 0	0	ribonomal protoin \$7 (DD\$7), mDNA (ada-(94.665
512E5	71	687	NM_001011		8	ribosomal protein S7 (RPS7), mRNA /cds=(81,665
463F9	168	689	AV702152	Hs.301570 0	1	AV702152 cDNA, 5' end /clone=ADBBFH05 /clone_
447840	2220	0005	NIM 007407	H- 204027 C 20E 70	4	-i formantair 050 (7NE050)
117A12	2239		NM_007167	Hs.301637 5.00E-78	1	zinc finger protein 258 (ZNF258), mRNA /cds=(9
190A6	12942	13156	AF155238	Hs.301698 1.00E-114	1	BAC 180i23 chromosome 8 map 8q24.3 beta-galacto
594F12		1841	NM_005442	Hs.301704 0	1	eomesodermin (Xenopus laevis) homolog (EOMES)
116G12	5477	5571	AB033081	Hs.301721 6.00E-47	1	mRNA for KIAA1255 protein, partial cds /cds=(0
123C4	23	579	BE260041	Hs.301809 1.00E-129	4	601150579F1 cDNA, 5' end /clone=IMAGE:3503419
100510	4.450	4054				
192E12	1458	1854		Hs.301819 0	1	zinc finger protein 146 (ZNF146), mRNA /cds=(8
590G8	1100	1307	AF132197	Hs.301824 3.00E-57	1	PRO1331 mRNA, complete cds /cds=(422,616) /gb
482E5	1764	2139	NM_001295	Hs.301921 0	1	chemokine (C-C motif) receptor 1 (CCR1), mRNA
583C5	4283	4684	NM_014415	Hs.301956 0	1	zinc finger protein (ZNF-U69274), mRNA /cds=(
173G11	645	839	X58529	Hs.302063 1.00E-104	4	rearranged immunoglobulin mRNA for mu heavy chain
						enh
597D11	30	369	AL137162	Hs.302114 1.00E-150	5	DNA sequence from clone RP5-843L14 on
						chromosome 20.
191G9	182	353	AC004079	Hs.302183 9.00E-60	1	PAC clone RP1-167F23 from 7p15 /cds=(0,569) /g
473D2	102	333	BF477640	Hs.302447 1.00E-126	1	7r01c05.x1 cDNA /clone=IMAGE /gb=BF477640 /g
479A9	18	267	BE964028	Hs.302585 7.00E-79	1	601657601R1 cDNA, 3' end /clone=IMAGE:3875617
180A5	894	1325	NM_018295	Hs.302981 0	2	hypothetical protein FLJ11000 (FLJ11000), mR
593H6	950	1151	X00437	Hs.303157 1.00E-104	1	mRNA for T-cell specific protein /cds=(37,975) /gb=X0
51G12	274	533	BG054649	Hs.303214 1.00E-138		7o45b01.x1 cDNA, 3' end /clone=IMAGE:3576912
189B10	785	1024	NM_002138	Hs.303627 1.00E-133	2	heterogeneous nuclear ribonucleoprotein D (
99B11	1	529	NM_002982	Hs.303649 0	51	small inducible cytokine A2 (monocyte chemota
461E1	397	496	AI472078	Hs.303662 2.00E-28	1	tj85h03.x1 cDNA, 3' end /clone=IMAGE:2148341
103A1	359	687	AF130085	Hs.304177 1.00E-151	1	clone FLB8503 PRO2286 mRNA, complete cds /cds
180B11	52	240	A1824522	Hs.304477 4.00E-57	1	tx71d03.x1 cDNA, 3' end /clone=IMAGE:2275013
519A10	1	104	Al880542	Hs.304620 3.00E-26	1	at80h05.x1 cDNA, 3' end /clone=IMAGE:2378361
479F6	331	582	AA873734	Hs.304886 1.00E-131	1	oh55h07.s1 cDNA, 3' end /clone=IMAGE:1470589
176G3	61	324	Al904802	Hs.304919 2.00E-74	1	IL-BT067-190199-037 cDNA /gb=Al904802 /gi=6
471G6	169	397	AW592876	Hs.304925 1.00E-122	1	hg04d05.x1 cDNA, 3' end /clone=IMAGE:2944617
119D11	3	348	AL049282	Hs.306030 1.00E-179	1	mRNA; cDNA DKFZp564M113 (from clone
						DKFZp564M1
112F7	2398	3008	U80743	Hs.306094 0	1	CAGH32 mRNA, partial cds /cds=(0,1671) /gb=U80
460C1	243	533	_	Hs.306098 5.00E-71	1	aldo-keto reductase family 1, member C1 (dihy
126A4	469	543	L08048	Hs.306192 2.00E-28	1	non-histone chromosomal protein (HMG-1)
						retropseudo
119F3	2113	2237	AL096752	Hs.306327 3.00E-60	1	mRNA; cDNA DKFZp434A012 (from clone
						DKFZp434A0
467F8	1860	2406	AL390039	Hs.307106 0	1	DNA sequence from clone RP13-383K5 on
					_	chromosome Xq22
192B12	1	454	X72475	Hs.307183 0	6	H.sapiens mRNA for rearranged lg kappa light chain
4401144	00	400	A = 0.0== 4.0	11-007077 / 007 / 77		variable
116H11	60	402	AF067519	Hs.307357 1.00E-160		PITSLRE protein kinase beta SV1 isoform (CDC2L
472D3	150	478	AW975895	Hs.307486 1.00E-124	1	EST388004 cDNA /gb=AW975895 /gi=8167117 /ug=
AEODA	07	254	A1A/200077	Un 207540 4 00F 440	4	III LI DIA afa h 44 O LU a4 aDNA OL and Inter-
458B4	87	354	AW206977	Hs.307542 1.00E-143		UI-H-BI1-afs-h-11-0-UI.s1 cDNA, 3' end /clon
463A11	181	397	A1057025	Hs.307879 1.00E-69	1	oy75a12.x1 cDNA, 3' end /clone=IMAGE:1671646

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

479C6	138	403	BE264564	Hs.308154 1.00E-144	1	601192330F1 cDNA, 5' end /clone=IMAGE:3536383
468G10	118	446	Al361642	Hs.309028 0	1	qv86d04.x1 cDNA, 3' end /clone=IMAGE:2018887
461G12	64	466	Al379735	Hs.309117 7.00E-25	1	tc41c11.x1 cDNA, 3' end /clone=IMAGE:2067188
466H8	15	487	Al380278	Hs.309120 0	1	tf99f08.x1 cDNA, 3' end /clone=IMAGE:2107431
477C8	28	187	Al380449	Hs.309122 7.00E-84	1	tg02f12.x1 cDNA, 3' end /clone=IMAGE:2107631
477C8 477C9	47	537	Al380687	Hs.309127 0	1	tg03e04.x1 cDNA, 3' end /clone=IMAGE:2107710
465F4	68	631	Al440337	Hs.309279 0	1	tc88b03.x1 cDNA, 3' end /clone=IMAGE:2073197
465G6	313	404	Al475653	Hs.309347 9.00E-31	1	tc93b04.x1 cDNA, 3' end /clone=IMAGE:2073679
465E7	1	340	Al475827	Hs.309349 1.00E-171		tc87a05.x1 cDNA, 3' end /clone=IMAGE:2073104
517G11	62	516	AI707809	Hs.309433 1.00E-115		as28g09.x1 cDNA, 3' end /clone=IMAGE:2318560
468D11	290	497	AI523766	Hs.309484 1.00E-103	1	tg94f07.x1 cDNA, 3' end /clone=IMAGE:2116453
186F5	230 77	418	AI569898	Hs.309629 1.00E-81	1	tr57c12.x1 cDNA, 3' end /clone=IMAGE:2222422
116A12	8	158	AI735206	Hs.310333 2.00E-43	1	at07f03.x1 cDNA, 3' end /clone=IMAGE:2354429
126G12	35	170	AI866194	Hs.310948 1.00E-54	1	wi27a03.x1 cDNA, 3' end /clone=IMAGE:2426092
172G8	86	227	Al926251	Hs.311137 3.00E-44	1	wo41h05.x1 cDNA, 3' end /clone=IMAGE:2457945
477D8	1	115	Al968387	Hs.311448 4.00E-42	2	wu02e08.x1 cDNA, 3' end /clone=IMAGE:2515814
462F10	13	220	AW043857	Hs.311783 1.00E-107	1	wy81g04.x1 cDNA, 3' end /clone=IMAGE:2554998
185A9	46	423	AW130007	Hs.312182 1.00E-130	2	xf26f10.x1 cDNA, 3' end /clone=IMAGE:2619211
515F6	34	181	AW148618	Hs.312412 3.00E-58	2	xe99f02.x1 cDNA, 3' end /clone=IMAGE:2616699
583E12	5945	6393	AL133572	Hs.312840 0	1	mRNA; cDNA DKFZp434I0535 (from clone DKFZp434I
471D5	306	411	AW298430	Hs.313413 1.00E-46	1	UI-H-BW0-ajI-c-09-0-UI.s1 cDNA, 3' end /clon
482F7	1	449	AW440965	Hs.313578 0	1	he06d07.x1 cDNA, 3' end /clone=IMAGE:2918221
473B3	179	463	BG150461	Hs.313610 1.00E-135	1	7k01d08.x1 cDNA, 3' end /clone=IMAGE:3443006
479E9	138	434	AW450835	Hs.313715 1.00E-127	1	UI-H-BI3-alf-f-06-0-UI.s1 cDNA, 3' end /clon
71B9	344	577	Al733018	Hs.313929 1.00E-115	1	oh60h01.x5 cDNA, 3' end /clone=IMAGE:1471441
479B6	217	443	AW629176	Hs.314085 2.00E-70	1	hi52a04.x1 cDNA, 3' end /clone=IMAGE:2975886
191F11	55	123	BE255377	Hs.314898 1.00E-26	1	601115405F1 cDNA, 5' end /clone=IMAGE:3355872
522F11	14	204	BE962883	Hs.314941 9.00E-83	3	601656423R1 cDNA, 3' end /clone=IMAGE:3856325
195F12	120	363	BE351010	Hs.315050 2.00E-77	1	ht22g04.x1 cDNA, 3' end /clone=IMAGE:3147510
173A5	429	824	BE410105	Hs.315263 1.00E-133	1	601302278F1 cDNA, 5' end /clone=IMAGE:3637002
481B2	1063	1283	NM_006255	Hs.315366 3.00E-72	1	protein kinase C, eta (PRKCH), mRNA /cds=(166,2
459G1	1428	1700	NM_006850			suppression of tumorigenicity 16 (melanoma di
113H4	22	359	BE901218	Hs.315633 1.00E-127	2	601676034F1 cDNA, 5' end /clone=IMAGE:3958617
583B7	510	754	BE963666	Hs.316047 2.00E-55	2	601656685R1 cDNA, 3' end /clone=IMAGE:3865820
466E10	488	644	AV729160	Hs.316771 1.00E-54	1	AV729160 cDNA, 5' end /clone=HTCCAB04 /clone_
597A6	50	249	AV710763	Hs.316785 4.00E-31	2	AV710763 cDNA, 5' end /clone=CuAAJH09 /clone_
123C3	41	529	BF183507	Hs.318215 1.00E-158	1	601809991R1 cDNA, 3' end /clone=IMAGE:4040470
193E12	15	2274	NM_006074	Hs.318501 0	7	stimulated trans-acting factor (50 kDa) (STAF
165D8	727	1344	BC002867	Hs.318693 0	1	clone IMAGE:3940519, mRNA, partial cds /cds=
49F8	520	1094	M16942	Hs.318720 0	1	MHC class II HLA-DRw53-associated glycoprotein beta-
172E10	310	944	NM_016018	Hs.318725 0	1	CGI-72 protein (LOC51105), mRNA /cds=(69,1400
585B1	51	296	BF696330	Hs.318782 6.00E-90	4	602125273F1 cDNA, 5' end /clone=IMAGE:4281906
45E12	208	737	NM_000636	Hs.318885 0	7	superoxide dismutase 2, mitochondrial (SOD2)
460G2	409	663	BG106948	Hs.318893 5.00E-96	1	602291361F1 cDNA, 5' end /clone=IMAGE:4386159
.0002	.50		20.00010		•	

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				ny briaization	anary	5.0
480C1	155	325	BF889206	Hs.319926 4.00E-74	1	RC6-TN0073-041200-013-H02 cDNA /gb=BF889206
178 F1	1	387	BG112503	Hs.320972 1.00E-133	3	602282105F1 cDNA, 5' end /clone=IMAGE:4369633
176G4	1092	1339	AL110236	Hs.321022 1.00E-136	1	mRNA; cDNA DKFZp566P1124 (from clone DKFZp566P
461H6	1701	2239	NM_024101	Hs.321130 0	1	hypothetical protein MGC2771 (MGC2771), mRNA
513F2	605	1614	AK001111	Hs.321245 0	2	cDNA FLJ10249 fis, clone HEMBB1000725, highly
525B4	9	251	BE871962	Hs.321262 6.00E-98	15	601448005F1 cDNA, 5' end /clone=IMAGE:3852001
32304	9	231	DE071902			,
467A4	1974	2223	AK026270	Hs.321454 6.00E-87	1	cDNA: FLJ22617 fis, clone HSI05379, highly sim
589F10	39	276	BF970928	Hs.321477 5.00E-77	1	602270204F1 cDNA, 5' end /clone=IMAGE:4358425
125A7	1102	1584	BC000627	Hs.321677 0	1	Signal transducer and activator of transcript
597H3	2786	2920	AL136542	Hs.322456 4.00E-46	2	mRNA; cDNA DKFZp761D0211 (from clone DKFZp761D
465E2	40	107	BE747224	Hs.322643 7.00E-22	1	601580941F1 cDNA, 5' end /clone=IMAGE:3929386
515A12	1	698	AL050376	Hs.322645 0	2	mRNA; cDNA DKFZp586J101 (from clone DKFZp586J1
589H11	26	265	BG283132	Hs.322653 4.00E-79	6	602406784F1 cDNA, 5' end /clone=IMAGE:4518957
586E5	1939	2162	AK025200	Hs.322680 1.00E-120	3	cDNA: FLJ21547 fis, clone COL06206 /cds=UNKNOW
595A2	1	306	BG311130	Hs.322804 2.00E-70	2	ia55a08.y1 cDNA, 5' end /clone_end=5' /gb=BG3
459H11	742	951	BC002746	Hs.322824 1.00E-111	1	Similar to dodecenoyl-Coenzyme A delta isome
64C3	655	887	NM_020368	Hs.322901 1.00E-112	1	disrupter of silencing 10 (SAS10), mRNA /cds=(
591B8		4574	D80006	Hs.322903 0	3	mRNA for KIAA0184 gene, partial cds /cds=(0,2591) /gb
458C3	5106	5198	NM 003035	Hs.323032 3.00E-43	1	TAL1 (SCL) interrupting locus (SIL), mRNA /cds
526B7		2750	NM_024334		2	hypothetical protein MGC3222 (MGC3222), mRNA
167F4	467	731	NM_014953		2	KIAA1008 protein (KIAA1008), mRNA /cds=(93,28
194B8	1913		AB051480	Hs.323463 0	9	mRNA for KIAA1693 protein, partial cds /cds=(0
478H9	75	564	BF700502	Hs.323662 0	1	602128860F1 cDNA, 5' end /clone=IMAGE:4285502
119B1	1598	2284	NM_014664	Hs.323712 0	2	KIAA0615 gene product (KIAA0615), mRNA /cds=(
167H2	1410	3683	AB046771	Hs.323822 0	4	mRNA for KIAA1551 protein, partial cds /cds=(0
595C12	1	528	NM 021998	Hs.323950 0	6	zinc finger protein 6 (CMPX1) (ZNF6), mRNA /cd
462F1	1	356	AK026836	Hs.324060 1.00E-176	1	cDNA: FLJ23183 fis, clone LNG11477 /cds=(226,7
122D10	217	424	AK026091	Hs.324187 2.00E-83	1	cDNA: FLJ22438 fis, clone HRC09232, highly sim
525B2	1028	3282	AL136739	Hs.324275 0	2	mRNA; cDNA DKFZp434D2111 (from clone DKFZp434D
459B6	3	482	BF668584	Hs.324342 0	1	602123634F1 cDNA, 5' end /clone=IMAGE:4280408
583D10	232	466	NM_021104	Hs.324406 1.00E-130	2	ribosomal protein L41 (RPL41), mRNA /cds=(83,1
118F8	2262	2819	NM_016824	Hs.324470 0	1	adducin 3 (gamma) (ADD3), transcript variant 1
461A5	46	391	AW968541	Hs.324481 1.00E-111	1	EST380617 cDNA /gb=AW968541 /gi=8158382 /ug=
467F11	927	1189	NM_000817	Hs.324784 1.00E-147	1	glutamate decarboxylase 1 (brain, 67kD) (GAD1
103E12	1686		AK024863	Hs.325093 9.00E-42	1	cDNA: FLJ21210 fis, clone COL00479 /cds=UNKNOW
521E11	4276	4689	AB028990	Hs.325530 0	1	mRNA for KIAA1067 protein, partial cds /cds=(0
480A9	112	333	AA760848	Hs.325874 1.00E-108	1	nz14f06.s1 cDNA, 3' end /clone=IMAGE:1287779
71G8	2619		NM_001964	Hs.326035 1.00E-116		early growth response 1 (EGR1), mRNA /cds=(270,
593D6	742	3372	NM_004735	Hs.326159 0	4	leucine rich repeat (in FLII) interacting prot

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				•			
463G9	42	608	AW975482	Hs.326165	0	1	EST387591 cDNA /gb=AW975482 /gi=8166696 /ug=
526B12	2380	2639	U83857	Hs.326247	1.00E-143	2	Aac11 (aac11) mRNA, complete cds /cds=(77,1663) /gb=
36A1	63	338	AA010282	NA	1.00E-116	1	zi08h07.r1 Soares_fetal_liver_spleen_1NFLS_S1 cDNA
459D10	67	164	AA044450	NA	3.00E-47	1	zk55a02.r1 Soares_pregnant_uterus_NbHPU cDNA clone
469E6	1	216	AA069335	NA	1.00E-104	1	zf74e10.r1 Soares_pineal_gland_N3HPG cDNA clone
463B2	4	205	AA077131	NA	4.00E-88	1	Brain cDNA Library cDNA clone 7B08E10
68H9	17	383	AA101212	NA	0	1	endothelial cell 937223 cDNA clone IMAGE:549605 3'
458F3	120	498	AA115345	NA	0	1	zi09f11.r1 Soares_pregnant_uterus_NbHPU cDNA clone
459E6	36	532	AA122297	NA	0	1	zk97a11.r1 Soares_pregnant_uterus_NbHPU cDNA clone
462C5	1	122	AA136584	NA	2.00E-59	1	fetal retina 937202 cDNA clone IMAGE:565899 3'
594A1	60	412	AA149078	NA	0	1	zl45e09.r1 Soares_pregnant_uterus_NbHPU cDNA clone
515A9	329	449	AA182528	NA	2.00E-46	1	NT2 neuronal precursor 937230 cDNA clone
75H4	7	371	AA187234	NA	1.00E-119	1	endothelial cell 937223 cDNA clone IMAGE:624540 3'
73F10	1	544	AA210786	NA	0	1	cDNA clone IMAGE:682976 5'
525D8	1	119	AA214691	NA	6.00E-60	1	Express cDNA library cDNA 5'
37H4	250	401	AA243144	NA	3.00E-48	1	cDNA clone IMAGE:685113 5'
463B10	145	408	AA250809	NA	1.00E-123	1	cDNA clone IMAGE:684374 5'
464E10	1	303	AA251184	NA	1.00E-119		cDNA clone IMAGE:684046 5'
477H8	1	123	AA252909	NA	4.00E-58	3	cDNA clone IMAGE:669292 5'
465C3	1	279	AA258979	NA	1.00E-129		cDNA clone IMAGE:687151 5'
588G6	275	529	AA280051	NA	2.00E-94	1	cDNA clone IMAGE:705062 5'
465E9	74	429	AA282774	NA	0	1	cDNA clone IMAGE:713136 5'
459E7	49	466	AA283061	NA	0	1	cDNA clone IMAGE:713078 5'
164B4	41	329	AA284232	NA	1.00E-148	2	zc39c01.T7 Soares_senescent_fibroblasts_NbHSF cDNA
461G8	289	532	AA290921	NA	1.00E-123	1	cDNA clone IMAGE:700335 5'
470G7	29	441	AA290993	NA	0	1	cDNA clone IMAGE:700425 5'
500A12	1	519	AA307854	NA	1.00E-174	1	(HCC) cell line cDNA 5' end similar to
471F4	9	326	AA309188	NA	1.00E-153	1	cDNA
194B6	134	467	AA312681	NA	1.00E-163	1	cDNA 5' end
69F3	5	321	AA314369	NA	1.00E-176	1	(HCC) cell line II cDNA 5' end similar
67G10	1	171	AA319163	NA	3.00E-64	2	cDNA 5' end
99A5	1	287	AA322158	NA	1.00E-136	1	cDNA 5' end similar to similar to tropomyosin
171B1	13	310	AA332553	NA	1.00E-135	1	cDNA 5' end
485D11	46	210	AA360634	NA	2.00E-75	1	cDNA 5' end
462G2	1	183	AA377352	NA	4.00E-89	2	cDNA 5' end
523A8	1	407	AA397592	NA	0	1	cDNA clone IMAGE:728546 5'
171G10	1	409	AA401648	NA	0	2	cDNA clone IMAGE:726936 5'
100F5	42	172	AA402069	NA	4.00E-60	1	cDNA clone IMAGE:727161 5'
459H7	48	375	AA412436	NA	1.00E-163	1	cDNA clone IMAGE:731446 5'
102A8	25	120	AA418765	NA	1.00E-46	1	cDNA clone IMAGE:767795 5'
73A3	1	424	AA426506	NA	0	1	cDNA clone IMAGE:768117 5'
72E10	1	442	AA427653	NA	0	11	tumor NbHOT cDNA clone IMAGE:770045 51
72A1	1	261	AA429783	NA	1.00E-142	1	zw57b01.r1 Soares_total_fetus_Nb2HF8_9w cDNA clone
460D12	126	388	AA431959	NA	1.00E-93	1	cDNA clone IMAGE:782188 3'
460B11	1	437	AA454987	NA	0	1	cDNA clone IMAGE:811916 5'

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				•		•	
518A8	1	329	AA457757	NA	1.00E-177	1	fetal retina 937202 cDNA clone IMAGE:838756 5'
460F7	47	490	AA460876	NA	0	1	zx69d04.r1 Soares_total_fetus_Nb2HF8_9w cDNA clone
118H12	1	304	AA476568	NA	1.00E-163	1	zx02f11.r1 Soares_total_fetus_Nb2HF8_9w cDNA clone
40F11	1	533	AA479163	NA	0	1	cDNA clone IMAGE:754246 5' similar to gb:X15606
470F3	76	356	AA482019	NA	1.00E-142	1	cDNA clone IMAGE:746046 3'
466C2	1	354	AA490796	NA	1.00E-148	1	cDNA clone IMAGE:824101 5'
464A9	228	364	AA496483	NA	7.00E-71	1	tumor NbHOT cDNA clone IMAGE:755690 5' similar to
123D11	99	297	AA501725	NA	1.00E-103	1	cDNA clone IMAGE:929806 similar to contains Alu
119G10	128	374	AA501934	NA	1.00E-134	1	cDNA clone IMAGE:956346
166A11	19	140	AA516406	NA	1.00E-48	1	cDNA clone IMAGE:923858 3'
36G1	5	480	AA524720	NA	0	1	cDNA clone IMAGE:937468 3'
109H9	37	286	AA573427	NA	1.00E-130	2	cDNA clone IMAGE:1028913 3'
477B2	8	273	AA579400	NA	1.00E-143	1	cDNA clone IMAGE:915561 similar to contains Alu
178C10	1	354	AA588755	NA	1.00E-177	1	cDNA clone IMAGE:1084243 3'
486G7	35	99	AA613460	NA	6.00E-28	1	cDNA clone IMAGE:1144571 similar to contains
472E9	27	389	AA628833	NA	1.00E-119	1	af37g04.s1 Soares_total_fetus_Nb2HF8_9w cDNA clone
100C3	122	505	AA639796	NA	0	1	cDNA clone IMAGE:1159029 3'
518A7	39	226	AA665359	NA	4.00E-83	1	cDNA clone IMAGE:1205697 similar to
473D9	377	446	AA683244	NA	1.00E-30	1	schizo brain S11 cDNA clone IMAGE:971252 3'
523D7	80	502	AA701667	NA	1.00E-158	1	zi43g09.s1 Soares_fetal_liver_spleen_1NFLS_S1 cDNA
472B1	37	130	AA744774	NA	1.00E-35	1	cDNA clone IMAGE:1283731 3'
98C9	10	254	AA748714	NA	1.00E-111	1	cDNA clone IMAGE:1270595 3'
196D7	3	442	AA806222	NA	0	1	cDNA clone IMAGE:1409989 3'
118A8	10	381	AA806766	NA	0	1	cDNA clone IMAGE:1338727 3'
98B3	56	159	AA826572	NA	7.00E-47	1	cDNA clone IMAGE:1416447 3'
154D9	38	405	AA846378	NA	1.00E-164	1	cDNA clone IMAGE:1394232 3'
459C2	1	491	AA909983	NA	0	2	Soares_NFL_T_GBC_S1 cDNA clone
					-		IMAGE:1523142 3'
486A7	1	176	AA916990	NA	1.00E-72	1	Soares_NFL_T_GBC_S1 cDNA clone IMAGE:1527333 3'
460D2	78	537	AA923567	NA	0	1	cDNA clone IMAGE:1536231 3'
105F4	86	390	AA974839	NA	4.00E-94	1	cDNA clone IMAGE:1567639 3'
461H7	295	383	AA974991	NA	2.00E-30	1	Soares_NFL_T_GBC_S1 cDNA clone IMAGE:1560953 3'
162B1	398	470	AA976045	NA	9.00E-28	1	cDNA clone IMAGE:1558392 3'
53D8	1	422	AA984245	NA	1.00E-162	1	schizo brain S11 cDNA clone IMAGE:1629672 3'
524A5	3568	4037	AB020681	NA	0	1	mRNA for KIAA0874 protein, partial cds Length = 4440
174H3	81	271	AB021288	NA	1.00E-101	1	mRNA for beta 2-microglobulin, complete cds Length = 925
115A2	1920	2309	AB034747	NA	0	4	SIMPLE mRNA for small integral membrane protein of lysosome/late endos
39 G 7	1578	1920	AB040875	NA	1.00E-135	3	hxCT mRNA for cystine/glutamate exchanger, complete cds Length = 2000
149H2	430	713	AB044971	NA	1.00E-158	1	mRNA for nucleolar phosphoprotein Nopp34, complete cds Length = 1005
458F6	780	1235	AB045118	NA	0	1	FRAT2 mRNA, complete cds Length = 2164
459D12	2694	3564	AB045278	NA	0	2	beta3GnT5 mRNA for beta1,3-N- acetylglucosaminyltransferase 5, complete
103H7	1294	1933	AB049881	NA	1.00E-139	1	similar to Macaca fascicularis brain cDNA, clone:QnpA- 18828 Length = 2517

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				пуы	Idizatioi	i amany.	515
102E11	1142	1772	AB050511	NA	0	1	similar to Macaca fascicularis brain cDNA, clone QnpA- 18828 Length = 2518
460C3	798	930	AB050514	NA	9.00E-54	1	similar to Macaca fascicularis brain cDNA, clone:QnpA- 18828 Length = 2519
480A10	4649	5183	AB058677	NA	0	1	mRNA for MEGF11 protein (KIAA1781), complete cds Length = 5702
142G10	2251	2430	AB060884	NA	6.00E-44	1	similar to Macaca fascicularis brain cDNA clone:QtrA- 13024, full insert sequence
494G5	1585	1998	AF005213	NA	0	1	ankyrin 1 (ANK1) mRNA, complete cds Length = 2651
154C6	520	826	AF005775	NA	1.00E-150	3	caspase-like apoptosis regulatory protein 2 (clarp) mRNA, alternativel
186B6	772	1248	AF039575	NA	0	1	heterogeneous nuclear ribonucleoprotein D0B mRNA, partial cds
471A4	395	611	AF061944	NA	6.00E-84	1	kinase deficient protein KDP mRNA, partial cds Length = 2653
37 G 5	277	525	AF067529	NA	1.00E-129	1	PITSLRE protein kinase beta SV18 isoform (CDC2L2) mRNA, partial cds
479D1	1270	1570	AF070635	NA	1.00E-144	1	clone 24818 mRNA sequence Length = 1643
491E2	38	226	AF086214	NA	9.00E-74	1	full length insert cDNA clone ZC64D04 Length = 691
517C2	230	465	AF086431	NA	1.00E-113	1	full length insert cDNA clone ZD79H10 Length = 530
593C6	1	359	AF113210	NA	0	5	MSTP030 mRNA, complete cds Length = 1024
191A8	135	1169	AF113213	NA	0	3	MSTP033 mRNA, complete cds Length = 1281
144E9	799	943	AF116679	NA	9.00E-29	1	PRO2003 mRNA, complete cds Length = 1222
106E3	583	1187	AF116702	NA	0	2	PRO2446 mRNA, complete cds Length = 1356
72F8	878	1205	AF130094	NA	1.00E-175	1	clone FLC0165 mRNA sequence Length = 1548
458G9	730	1463	AF157116	NA	0	1	clone 274512, mRNA sequence Length = 2172
139F11	18	229	AF161430	NA	1.00E-115		HSPC312 mRNA, partial cds Length = 360
149H10	406	621	AF161455	NA	3.00E-95	2	HSPC337 mRNA, partial cds Length = 1033
68A9	19	243	AF173954	NA	2.00E-27	1	Cloning vector pGEM-URA3, complete sequence Length = 4350
165B7	65	418	AF202092	NA	0	1	PC3-96 mRNA, complete cds Length = 1068
52H1	361	594	AF212226	NA	1.00E-34	1	RPL24 mRNA, complete cds Length = 1474
162H8	52	404	AF212233	NA NA	1.00E-34 1.00E-179		microsomal signal peptidase subunit mRNA, complete
							cds Length = 794
54E10	680	1316	AF212241	NA	0	3	CDA02 mRNA, complete cds Length = 2179
117D8		2482	AF248648	NA	0	3	RNA-binding protein BRUNOL2 mRNA, complete cds Length = 2615
75E3	326	662	AF249845	NA	0	2	isolate Siddi 10 hypervariable region I, mitochondrial sequence
459G12	791	1267	AF260237	NA	0	1	hairy/enhancer of split 6 (HES6) mRNA, complete cds Length = 1286
177F6	1968	2423	AF267856	NA	0	1	HT033 mRNA, complete cds Length = 2972
115G8	996	1399	AF267863	NA	0	1	DC43 mRNA, complete cds Length = 2493
501H3	426	1152	AF279437	NA	0	107	interleukin 22 (IL22) mRNA, complete cds Length = 1167
174B4	900	1332	AF283771	NA	0	2	clone TCBAP0774 mRNA sequence Length = 1814
126C7	454	843	AF332864	NA	1.00E-116	2	similar to Mus Ras association domain family 3 protein (Rassf3) mRNA
105A9	232	624	AF333025	NA	1.00E-140	1	prokineticin 2 precursor (PROK2) mRNA, complete cds Length = 1406
186F1	4543	5058	AF347010	NA	0	3	mitochondrion, complete genome Length = 16570
590B12	4684	5053	AF347013	NA	0	1	mitochondrion, complete genome Length = 16566
517 H7	4669	5058	AF347015	NA	0	1	mitochondrion, complete genome Length = 16571
596E9	220	295	AI027844	NA	3.00E-34	1	cDNA clone IMAGE:1671612 3'

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

						•	
599B3	608	609	AI039890	NA	1.00E-45	1	ox97d11.x1 Soares_senescent_fibroblasts_NbHSF cDNA
189 H 9	22	524	Al041828	NA	0	1	oy34b08.x1 Soares_parathyroid_tumor_NbHPA cDNA clone
471F6	63	526	AI084224	NA	0	1	cDNA clone IMAGE:1671418 3'
142E9	6	372	AI091533	NA	1.00E-179	1	oo23d05.x1 Soares_NSF_F8_9W_OT_PA_P_S1 cDNA clone
72D2	65	529	AI131018	NA	0	6	qb82e07.x1 Soares_fetal_heart_NbHH19W cDNA clone
468F6	9	428	Al223400	NA	0	1	cDNA clone IMAGE:1838447 3' similar to TR:O15383
185H1	94	199	Al267714	NA	5.00E-50	1	SB pool 1 cDNA clone IMAGE:2038526
166A9	1	480	AI275205	NA	0	1	cDNA clone IMAGE:1990616 3'
499F2	4	395	Al281442	NA	0	2	cDNA clone IMAGE:1967452 3'
517H5	155	457	AI298509	NA	1.00E-158	1	cDNA clone IMAGE:1896546 3'
144F7	24	364	AI299573	NA	0	1	cDNA clone IMAGE:1900105 3'
519E9	52	408	AI352690	NA	1.00E-180	1	cDNA clone IMAGE:1946884 3'
466F9	172	440	AI361839	NA	1.00E-109	1	cDNA clone IMAGE:2022012 3'
144C9	118	373	AI362793	NA	7.00E-63	1	cDNA clone IMAGE:2018948 3' similar to gb:M60854
464B11	19	455	AI363001	NA	0	1	cDNA clone IMAGE:2018452 3' similar to contains
127B6	40	257	Al370412	NA	6.00E-96	1	cDNA clone IMAGE:1987587 3'
166C4	58	271	Al371227	NA	1.00E-62	1	cDNA clone IMAGE:1987633 3' similar to
467G7	1	450	Al380016	NA	0	1	cDNA clone IMAGE:2109169 3' similar to
466C5	316	497	AI380390	NA	8.00E-44	1	cDNA clone IMAGE:2107088 3'
466B5	200	477	Al381586	NA	1.00E-126	1	cDNA clone IMAGE:2074796 3'
458G10	347	444	Al384128	NA	2.00E-40	1	cDNA clone IMAGE:2088819 3' similar to contains
467A8	415	522	Al391500	NA	1.00E-41	1	cDNA clone IMAGE:2107686 3'
477D1	14	269	Al392705	NA	1.00E-137	2	cDNA clone IMAGE:2109581 3'
467B11	1	293	Al393970	NA	1.00E-122	1	cDNA clone IMAGE:2107950 3'
522D3	250	526	Al419082	NA	1.00E-127	1	cDNA clone IMAGE:2103029 3'
149A11	25	313	Al440491	NA	1.00E-132	1	cDNA clone IMAGE:2073277 3'
471C1	77	215	AI458739	NA	1.00E-50	1	cDNA clone IMAGE:2149471 3' similar to gb:S85655
116E10	162	503	AI469584	NA	1.00E-171	1	cDNA clone IMAGE:2156522 3'
472C8	1	369	AI498316	NA	0	1	cDNA clone IMAGE:2160886 3' similar to TR:Q62717
468E8	2	451	AI523854	NA	3.00E-92	1	cDNA clone IMAGE:2116683 3'
477B5	23	295	AI524624	NA	2.00E-86	1	cDNA clone IMAGE:2075323 3'
193H3	368	489	AI525644	NA	4.00E-34	1	cDNA 5'
66F1	277	436	Al571519	NA	7.00E-84	2	cDNA clone IMAGE:2225079 3' similar to gb:J03909
171A11	225	429	AI581199	NA	1.00E-101	3	cDNA clone IMAGE:2154787 3' similar to
116F2	337	429	AI597917	NA	4.00E-42	1	cDNA clone IMAGE:2258495 3' similar to contains
461G10	9	398	AI627495	NA	1.00E-179	1	cDNA clone IMAGE:2285386 3'
594D11	206	434	AI628930	NA	1.00E-110	1	cDNA clone IMAGE:2281541 3' similar to
489H9	1	507	Al633798	NA	0	4	cDNA clone IMAGE:2242115 3'
171G7	212	431	Al634972	NA	1.00E-103	1	cDNA clone IMAGE:2284157 3'
165C12	270	581	Al651212	NA	1.00E-175	1	cDNA clone IMAGE:2304186 3'
64B3	1	529	AI678099	NA	0	1	Soares_NFL_T_GBC_S1 cDNA clone IMAGE:2330166 3'
134H3	186	289	AI684022	NA	1.00E-34	1	cDNA clone IMAGE:2267411 3'
110B8	169	496	Al688560	NA	1.00E-132		Soares_NFL_T_GBC_S1 cDNA clone IMAGE:2330535 3'
459F2	160	542	AI697756	NA	0	1	cDNA clone IMAGE:2341330 3'
481F11	21	340	AI700738	NA	1.00E-167	1	cDNA clone IMAGE:2343628 3'
488C5	37	533	AI701165	NA	0	4	cDNA clone IMAGE:2340734 3'

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

104D9	116	241	AI709236	NA	4.00E-60	1	HPLRB6 cDNA clone IMAGE:2353865 3' similar to
112E1	18	576	Al742850	NA	0	1	wg47a05.x1 Soares_NSF_F8_9W_OT_PA_P_S1 cDNA clone
113H12	5	140	AI748827	NA	1.00E-63	1	HPLRB6 cDNA clone IMAGE:2356401 3'
458B8	150	474	AI760353	NA	0	1	cDNA clone IMAGE:2387703 3'
461H11	334	578	AI762870	NA	1.00E-111	1	cDNA clone IMAGE:2397996 3'
458D10	1	465	AI765153	NA	0	1	cDNA clone IMAGE:2393531 3'
38B5	2	295	AI766963	NA	1.00E-140	1	cDNA clone IMAGE:2400693 3'
471A2	320	394	AI796317	NA	2.00E-31	1	cDNA clone IMAGE:2384100 3'
74D10	15	377	AI802547	NA	1.00E-124	2	cDNA clone IMAGE:2186739 3' similar to TR:O15510
			AI803065	NA	1.00E-164	1	tj47a07.x1 Soares_NSF_F8_9W_OT_PA_P_S1 cDNA
482C9	117	409	A1003003	IVA			clone
480C5	177	517	AI807278	NA	0	1	Soares_NFL_T_GBC_S1 cDNA clone IMAGE:2357909 3'
175B12	228	513	AI817153	NA	1.00E-132	1	cDNA clone IMAGE:2413005 3'
66E10	14	268	AI858771	NA	1.00E-119	1	cDNA clone IMAGE:2429769 3'
470H6	65	500	A1880607	NA	0	1	HPLRB6 cDNA clone IMAGE:2355013 3'
181D12	7	512	AI884548	NA	0	1	cDNA clone IMAGE:2437818 3' similar to gb:L06797
468H6	52	528	Al884671	NA	0	1	cDNA clone IMAGE:2431488 3'
597C9	284	383	AI904071	NA	1.00E-48	1	cDNA
467C2	206	351	AI917642	NA	2.00E-59	1	cDNA clone IMAGE:2392330 3'
459D1	25	575	Al948513	NA	0	1	cDNA clone IMAGE:2470532 3'
166E11	152	280	AI954499	NA	4.00E-54	1	cDNA clone IMAGE:2550263 3'
493D7	2032	2171	AJ001235	NA	4.00E-29	1	similar to Papio hamadryas ERV-9 like LTR insertion Length = 2240
116B1	1169	1744	AJ009771	NA	0	1	mRNA for putative RING finger protein, partial Length = 3038
137 B 9	296	407	AJ271637	NA	4.00E-32	1	similar to Elaeis guineensis microsatellite DNA, clone mEgCIR0219
483E6	4250	4492	AJ278191	NA	1.00E-95	1	similar to Mus musculus mRNA for putative mc7 protein (mc7 gene)
144A8	988	1152	AK001163	NA	1.00E-75	1	cDNA FLJ10301 fis, clone NT2RM2000032 Length = 1298
525C11	49	496	AK001451	NA	0	1	cDNA FLJ10589 fis, clone NT2RP2004389
177D9	707	980	AK004265	NA	7.00E-76	1	similar to Mus 18 days embryo cDNA, RIKEN full- length enriched library,
111E10	777	1121	AK004400	NA	1.00E-112	1	similar to Mus 18 days embryo cDNA, RIKEN full-
458G4	650	1259	AK008020	NA	8.00E-86	1	length enriched library, similar to Mus adult male small intestine cDNA, RIKEN
							full-length enrich
47G7	31	328	AK009988	NΑ	1.00E-111	1	similar to Mus adult male tongue cDNA, RIKEN full- length enriched librar
69G7	1801	1987	AK012426	NA	5.00E-68	3	similar to Mus 11 days embryo cDNA, RIKEN full- length enriched library,
62C10	1092	1267	AK013164	NA	6.00E-46	2	similar to Mus 10, 11 days embryo cDNA, RIKEN full- length enriched libra
46D9	3243	3564	AK014408	NA	1.00E-104	1	similar to Mus 12 days embryo embryonic body below diaphragm region
178C11	2069	2326	AK016683	NA	9.00E-83	1	similar to Mus adult male testis cDNA, RIKEN full- length enriched librar
102C12	698	1339	AK018758	NA	0	1	similar to Mus adult male liver cDNA, RIKEN full- length enriched library
585B3	1278	1873	AK021925	NA	0	1	cDNA FLJ11863 fis, clone HEMBA1006926 Length = 2029
46F3	1377	2006	AK022057	NA	0	1	cDNA FLJ11995 fis, clone HEMBB1001443, highly similar to Rattus norveg

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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73E7	344	1112	AK023512	NA	0	9	cDNA FLJ13450 fis, clone PLACE1003027, highly similar to Homo sapiens
465B12	681	1338	AK024202	NA	0	1	cDNA FLJ14140 fis, clone MAMMA1002858, highly similar to Rat cMG1
142D12	254	358	AK024740	NA	9.00E-27	1	cDNA: FLJ21087 fis, clone CAS03323 Length = 826
472F7	1330	1623	AK024764	NA	1.00E-164	1	cDNA: FLJ21111 fis, clone CAS05384, highly similar to AF144700 Homo sa
521A3	26	195	AK024976	NA	2.00E-90	1	cDNA: FLJ21323 fis, clone COL02374 Length = 1348
465D1	2091	2255	AK025769	NA	1.00E-74	1	cDNA: FLJ22116 fis, clone HEP18520 Length = 2271
595E9	16	546	AK026264	NA	0	1	cDNA: FLJ22611 fis, clone HSI04961 Length = 1426
103E1	1353	1866	AK026334	NA	1.00E-126	1	cDNA: FLJ22681 fis, clone HSI10693 Length = 1903
524F3	1635	1742	AK026443	NA	9.00E-51	2	cDNA: FLJ22790 fis, clone KAIA2176, highly similar to HUMPMCA
196H10	938	1286	AK026819	NA	6.00E-82	1	cDNA: FLJ23166 fis, clone LNG09880 Length = 1941
172F7	349	738	AK027258	NA	0	1	cDNA: FLJ23605 fis, clone LNG15982, highly similar to AF113539 Homo sa
187B10	1583	2142	AK027260	NA	1.00E-129	1	cDNA: FLJ23607 fis, clone LNG16050 Length = 2560
190F11	76	636	AL042081	NA	0	1	(synonym: htes3) cDNA clone DKFZp434P171 3'
525A9	1	653	AL042370	NA	0	1	(synonym: htes3) cDNA clone DKFZp434A1821 5'
464G8	59	686	AL042376	NA NA	0	1	(synonym: htes3) cDNA clone DKFZp434A2421 5'
172B12	380	624	AL042370 AL047171	NA	1.00E-131		(synonym: hute1) cDNA clone DKFZp586F2018 5'
							mRNA; cDNA DKFZp564A186 (from clone
193F3	915	1309	AL049305	NA	1.00E-133		DKFZp564A186) Length = 1669
111H8	102	660	AL049356	NA	1.00E-146		mRNA; cDNA DKFZp566E233 (from clone DKFZp566E233) Length = 808
526E6	118	551	AL049932	NA	1.00E-147		mRNA; cDNA DKFZp564H2416 (from clone DKFZp564H2416) Length = 1865
37C8	707	996	AL050218	NA	1.00E-156	1	mRNA; cDNA DKFZp586I0923 (from clone DKFZp586I0923) Length = 1282
72A9	1235	1391	AL110164	NA	2.00E-70	1	mRNA; cDNA DKFZp586I0324 (from clone DKFZp586I0324) Length = 1705
107C8	1042	1398	AL117644	NA	0	2	mRNA; cDNA DKFZp434M095 (from clone DKFZp434M095) Length = 1455
62E7	1	475	AL120453	NA	1.00E-117	1	(synonym: hamy2) cDNA clone DKFZp761l208 5'
492A7	77	390	AL121406	NA	1.00E-101	1	(synonym: hmel2) cDNA clone DKFZp762G117 5'
598B1	443	812	AL133879	NA	1.00E-172	1	(synonym: hamy2) cDNA clone DKFZp761J0114 5'
458C10	47	351	AL133913	NA	5.00E-76	1	(synonym: hamy2) cDNA clone DKFZp761M2014 5'
98E7	922	2284	AL136558	NA	0	6	mRNA; cDNA DKFZp761B1514 (from clone DKFZp761B1514) Length = 3453
157F6	3511	3847	AL136797	NA	0	1	mRNA; cDNA DKFZp434N031 (from clone DKFZp434N031); complete cds
68B4	1009	1595	AL136932	NA	0	1	mRNA; cDNA DKFZp586H1322 (from clone DKFZp586H1322); complete cds
458B6	278	955	AL137601	NA	0	1	mRNA; cDNA DKFZp434E0811 (from clone DKFZp434E0811); partial cds
172C9	1866	2423	AL137608	NA	0	1	mRNA; cDNA DKFZp434J1111 (from clone DKFZp434J1111); partial cds
72G1	194	474	AL138429	NA	1.00E-151	1	(synonym: htes3) cDNA clone DKFZp434E0629 3'
463H12	12	356	AL513780	NA	1.00E-124	1	cDNA clone CL0BA003ZF07 5 prime
181B6	43	638	AL520535	NA	0	1	cDNA clone CS0DB006YD20 3 prime

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

						4	-DNA -I CCODDOONOAC & mainte
69B6	352	858	AL520892	NA	0	1	cDNA clone CS0DB002YG16 5 prime
182A5	119	617	AL521097	NA	0	1	cDNA clone CS0DB001YA13 3 prime
458E9	3	865	AL528020	NA	0	2	cDNA clone CS0DC028YO09 3 prime
485C11	1	431	AL532303	NA	0	1	cDNA clone CS0DM014YJ04 5 prime
196G3	78	698	AL532406	NA	0	1	cDNA clone CS0DM014YL03 5 prime
105H4	154	486	AL533737	NA	1.00E-156	1	cDNA clone CS0DF002YH09 5 prime
594G1	337	756	AL534564	NA	0	1	cDNA clone CS0DF004YI09 5 prime
524A9	403	906	AL540260	NA	0	1	cDNA clone CS0DF032YF03 3 prime
118H5	433	532	AL540399	NA	4.00E-39	1	cDNA clone CS0DE001YM08 5 prime
124C2	270	815	AL543900	NA	0	1	cDNA clone CS0DI005YK13 3 prime
471D3	216	403	AL550229	NA	9.00E-49	1	cDNA clone CS0DI039YD11 5 prime
191F2	324	844	AL554506	NA	0	1	cDNA clone CS0DI083YJ17 5 prime
166F6	64	576	AL556016	NA	0	1	cDNA clone CS0DK010YH04 5 prime
467G9	61	401	AL556919	NA	1.00E-138	1	cDNA clone CS0DK012YI02 5 prime
37D7	149	685	AL559029	NA	0	1	cDNA clone CS0DJ010YJ11 5 prime
590B3	76	287	AL559422	NA	1.00E-111	2	cDNA clone CS0DJ013YN07 5 prime
181H2	168	780	AL559555	NA	0	1	cDNA clone CS0DJ013YP21 5 prime
589E3	28	447	AL561074	NA	0	1	cDNA clone CS0DL001YN01 5 prime
487F9	326	739	AL561892	NA	1.00E-149	1	cDNA clone CS0DB006YL04 3 prime
68F10	12	658	AL562895	NA	0	1	cDNA clone CS0DC021YO20 3 prime
157D7	2	108	AL565736	NA	1.00E-28	1	cDNA clone CS0DF007YC06 3 prime
177B1	231	505	AL567986	NA	1.00E-128	1	cDNA clone CS0DF036YI04 3 prime
512E3	627	815	AL5775666	NA	1.00E-94	1	cDNA clone CS0DI069YD02 3 prime
112E10	193	623	AL575755	NA	0	1	cDNA clone CS0DI070YG17 3 prime
70H7	197	757	AL576149	NA	0	1	cDNA clone CS0DI072YK21 3 prime
37F1	275	411	AL577145 AL577970	NA	1.00E-43	1	cDNA clone CS0DK008YK22 3 prime
				NA NA	1.00E-43 0	1	cDNA clone CS0DK012YN01 3 prime
65D4	278	828	AL578975	NA NA		1	cDNA clone CS0DJ003YG20 5 prime
182G2	70	684	AL579745		0	1	cDNA clone CS0DJ0031G20 3 prime
194F9	450	669	AL582354	NA NA	3.00E-94	1	·
184F2	27	501	AL583322	NA	2.00E-37	-	cDNA clone CS0DL012YI10 5 prime
40A3	432	638	AL583391	NA	4.00E-83	1	cDNA clone CS0DL012YA12 3 prime
53G7	6	462	AU117298	NA	0	1	sapiens cDNA clone HEMBA1001091 5'
37G7	218	706	AU118159	NA	0	1	sapiens cDNA clone HEMBA1002998 5'
180F9	174	698	AU120731	NA	0	1	sapiens cDNA clone HEMBB1001298 5'
191F1	298	608	AU135154	NA	1.00E-137	1	sapiens cDNA clone PLACE1001348 5'
466G7	11	125	AU158636	NA	1.00E-53	1	sapiens cDNA clone PLACE4000063 3'
67F9	1	453	AV648670	NA	0	2	cDNA clone GLCBLH08 3'
155D6	97	337	AV650434	NA	1.00E-104	1	cDNA clone GLCCEG06 3'
596H6	1	397	AV651615	NA	0	1	cDNA clone GLCCRF09 3'
99D5	41	232	AV653169	NA	6.00E-78	1	cDNA clone GLCDIB01 3'
331C10	33	365	AV654188	NA	1.00E-103		cDNA clone GLCDTC01 3'
121A12	70	188	AV659358	NA	3.00E-47	1	cDNA clone GLCFWC05 3'
460G9	69	476	AV687530	NA	0	1	cDNA clone GKCATH08 5'
470F5	1	174	AV689330	NA	2.00E-50	1	cDNA clone GKCDJE03 5'
109E8	71	471	AV705900	NA	0	1	cDNA clone ADBBFE11 5'
166C9	121	226	AV709955	NA	2.00E-26	1	cDNA clone ADCABF08 5'
117F1	69	582	AV710415	NA	0	1	cDNA clone CuAAND10 5'
523C9	41	536	AV716565	NA	0	6	cDNA clone DCBCAF01 5'
103D7	1	164	AV716644	NA	3.00E-77	2	cDNA cione DCBAUG10 5'
195F11	232	459	AV716791	NA	1.00E-113	2	cDNA clone DCBAZC04 5'
63C4	208	421	AV719659	NA	1.00E-101	1	cDNA clone GLCGRA09 5'
496C4	156	563	AV719938	NA	0	1	cDNA clone GLCFUC08 5'
479A1	120	469	AV720984	NA	1.00E-162	1	cDNA clone HTBBIC02 5'
499D6	70	406	AV721008	NA	1.00E-112	4	cDNA clone HTBBHG03 5'
461C8	182	676	AV723437	NA	0	1	cDNA clone HTBBUE10 5'

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				•		•	
585G1	173	552	AV724531	NA	0	1	cDNA clone HTBARD04 5'
113B8	1	149	AV724559	NA	3 00E-40	1	cDNA clone HTBCFB08 5'
111H4	497	498	AV724665	NA	0	1	cDNA clone HTBAYG03 5'
458F5	1	534	AV730135	NA	0	1	cDNA clone HTFAHA06 5'
589F6	21	226	AV735258	NA	6.00E-70	1	cDNA clone cdAAIF03 5'
172C8	209	426	AV738173	NA	9.00E-98	1	cDNA clone CBMAHC04 5'
464G3	43	498	AV743635	NA	0	1	cDNA clone CBLBAC03 5'
72D4	43	384	AV745692	NA	1.00E-178	2	cDNA clone NPAACB06 5'
592G12	175	571	AV749844	NA	1.00E-176	1	cDNA clone NPCBVG08 5'
169F6	110	250	AV755117	NA	3.00E-28	1	cDNA clone TPAABA12 5'
99H3	200	513	AV755367	NA	1.00E-131	2	cDNA clone BMFAIB02 5'
595 G 9	399	549	AV756188	NA	2.00E-31	1	cDNA clone BMFABD08 5'
595A12	8	572	AW002985	NA	0	2	cDNA clone IMAGE:2475831 3'
586B7	184	330	AW004905	NA	8.00E-50	1	cDNA clone IMAGE:2565317 3' similar to
591D6	15	436	AW021037	NA	0	1	Cochlea cDNA clone IMAGE:2483601 5'
188F1	135	476	AW021551	NA	0	1	Cochlea cDNA clone IMAGE:2484414 5'
467E8	73	474	AW027160	NA	1.00E-162	1	Soares_thymus_NHFTh cDNA clone IMAGE:2512983 3' similar to
472G2	11	110	AW064187	NA	9.00E-38	1	CD4 intrathymic T-cell cDNA library cDNA 3'
598F3	43	453	AW071894	NA	0	1	cDNA clone IMAGE:2501169 3'
181C7	10	96	AW131768	NA	8.00E-41	1	cDNA clone IMAGE:2619947 3'
181D1	69	216	AW134512	NA	2.00E-77	1	UI-H-BI1-aby-e-05-0-UI.s1 NCI_CGAP_Sub3 cDNA clone IMAGE:2713065 3'
472B10	339	458	AW136717	NA	4.00E-54	1	UI-H-BI1-adm-a-03-0-UI.s1 NCI_CGAP_Sub3 cDNA clone IMAGE:2717092 3'
166B9	240	408	AW137104	NA	6.00E-88	1	UI-H-BI1-acp-e-02-0-UI.s1 NCI_CGAP_Sub3 cDNA clone IMAGE:2714979 3'
188C1	323	461	AW137149	NA	2.00E-72	1	UI-H-BI1-acq-a-05-0-UI.s1 NCI_CGAP_Sub3 cDNA clone IMAGE:2715152 3'
65B2	106	298	AW148765	NA	7.00E-75	1	cDNA clone IMAGE:2616915 3'
524C3	234	429	AW151854	NA	1.00E-76	2	cDNA clone IMAGE:2623546 3' similar to
479A8	6	327	AW161820	NA	1.00E-151	1	brain 00004 cDNA clone IMAGE:2781653 3'
585E10	7	391	AW166442	NA	0	1	Soares_NHCe_cervix cDNA clone IMAGE:2697403 3'
482C6	9	329	AW188398	NA	1.00E-133	1	cDNA clone IMAGE:2665252 3'
522G11	39	516	AW248322	NA	0	1	cDNA clone IMAGE:2820662 5'
473D5	283	416	AW274156	NA	4.00E-69	1	Soares_NFL_T_GBC_S1 cDNA clone IMAGE:2814367 3'
71C12	20	530	AW293159	NA	0	2	UI-H-BW0-aii-b-08-0-UI.s1 NCI_CGAP_Sub6 cDNA clone IMAGE:2729414 3'
472H11	205	501	AW293424	NA	1.00E-151	1	UI-H-BI2-ahm-a-12-0-UI.s1 NCI_CGAP_Sub4 cDNA clone IMAGE:2727094 3'
465H11	17	124	AW293426	NA	1.00E-48	1	UI-H-BI2-ahm-b-02-0-UI.s1 NCI_CGAP_Sub4 cDNA clone IMAGE:2727122 3'
461H8	19	452	AW295965	NA	0	1	UI-H-BI2-ahh-f-07-0-UI.s1 NCI_CGAP_Sub4 cDNA clone IMAGE:2726917 3'
464B7	250	551	AW300500	NA	3.00E-95	1	cDNA clone IMAGE:2774602 3'
465C7	1	322	AW338115	NA	0	1	cDNA clone IMAGE:2833029 3'
466H5	10	523	AW341449	NA	0	1	Soares_NFL_T_GBC_S1 cDNA clone
							IMAGE:2909026 3' similar to
461D9	12 =1	325	AW379049	NA NA	1.00E-134		HT0230 cDNA
186E8	51 260	277	AW380881	NA NA	1.00E-103		HT0283 cDNA HT0427 cDNA
180D4	260 13	348 404	AW384988	NA NA	2.00E-30	1	
472C1	13	404	AW402007	NA	1.00E-122		ST0181 cDNA
462G12	236	321	AW402007	NA	3.00E-40	1	UI-HF-BK0-aao-g-02-0-UI.r1 NIH_MGC_36 cDNA clone IMAGE:3054530 5'

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

					,			
17	7H2	18	338	AW405863	NA	9.00E-52	1	UI-HF-BL0-acf-e-06-0-UI.r1 NIH_MGC_37 cDNA clone IMAGE:3059026 5'
140	0G10	6	308	AW440517	NA	1.00E-152	1	cDNA clone IMAGE:2890615 3'
482	2A10	1	231	AW440869	NA	1.00E-114	1	cDNA clone IMAGE:2918151 3' similar to contains
401	B2	18	353	AW444632	NA	4.00E-45	1	UI-H-BI3-ajw-b-11-0-UI.s1 NCI_CGAP_Sub5 cDNA clone IMAGE:2733260 3'
610	C2	21	392	AW444812	NA	0	1	UI-H-BI3-ajy-d-11-0-UI.s1 NCI_CGAP_Sub5 cDNA clone IMAGE:2733380 3'
46	1H10	151	248	AW449610	NA	8.00E-48	1	UI-H-BI3-aku-g-11-0-UI.s1 NCI_CGAP_Sub5 cDNA clone IMAGE:2735804 3'
479	9E10	9	425	AW451293	NA	0	1	UI-H-BI3-alh-f-06-0-UI.s1 NCI_CGAP_Sub5 cDNA clone IMAGE:2736899 3'
489	9G6	16	303	AW452023	NA	1.00E-125	1	UI-H-BI3-alm-f-06-0-UI.s1 NCI_CGAP_Sub5 cDNA clone IMAGE:2737306 3'
46	3H8	99	289	AW452096	NA	1.00E-103	1	UI-H-BI3-alo-d-02-0-UI.s1 NCI_CGAP_Sub5 cDNA clone IMAGE:3068186 3'
45	9B8	71	535	AW499658	NA	0	1	UI-HF-BR0p-ajj-c-07-0-UI.r1 NIH_MGC_52 cDNA clone IMAGE:3074677 5'
37	A2	128	395	AW499828	NA	1.00E-110	1	UI-HF-BN0-ake-c-06-0-UI.r1 NIH_MGC_50 cDNA clone IMAGE:3076619 5'
11:	2E5	88	557	AW499829	NA	0	1	UI-HF-BN0-ake-c-07-0-UI.r1 NIH_MGC_50 cDNA clone IMAGE:3076621 5'
52	3F5	435	517	AW500534	NA	4.00E-36	1	UI-HF-BN0-akj-d-04-0-UI.r1 NIH_MGC_50 cDNA clone IMAGE:3077406 5'
47	6E10	152	450	AW501528	NA	1.00E-129	1	UI-HF-BP0p-ajf-c-02-0-UI.r1 NIH_MGC_51 cDNA clone IMAGE:3073923 5'
67	D10	36	413	AW504212	NA	0	1	UI-HF-BN0-alp-a-11-0-UI.r1 NIH_MGC_50 cDNA clone IMAGE:3080348 5'
10	0E10	29	364	AW504293	NA	1.00E-159	1	UI-HF-BN0-alg-b-10-0-UI.r1 NIH_MGC_50 cDNA clone IMAGE:3079267 5'
48	4D12	35	353	AW510795	NA	1.00E-167	1	Soares_NFL_T_GBC_S1 cDNA clone IMAGE:2911933 3' similar to
48	0B2	109	446	AW572538	NA	1.00E-162	1	cDNA clone IMAGE:2832030 3'
46	5D2	272	464	AW573211	NA	2.00E-49	1	Soares_NFL_T_GBC_S1 cDNA clone IMAGE:2933767 3' similar to
47	G6	125	126	AW614193	NA	1.00E-51	1	cDNA clone IMAGE:2951662 3'
	9D7	1	341	AW630825	NA	0	2	cDNA clone IMAGE:2969854 5'
	H5	10	423	AW651682	NA	0	2	cDNA clone IMAGE:2901099 5'
	4A7	3	461	AW778854	NA	0	1	cDNA clone IMAGE:3037337 3'
	4H1	9	453	AW780057	NA	0	1	cDNA clone IMAGE:3036046 3'
	1E8	18	348	AW792856	NA	1.00E-164		UM0001 cDNA
	D11	64	648	AW810442	NA	0	3	ST0125 cDNA
	6F6	49	623	AW813133	NA	0	1	ST0189 cDNA
	8H1	131	386	AW819894	NA	1.00E-133		ST0294 cDNA
	5A7	1	315	AW836389	NA	1.00E-169		LT0030 cDNA
	6D9	32	237	AW837717	NA	1.00E-65	1	LT0042 cDNA
	7B12	84	253	AW837808	NA	4.00E-67	1	LT0042 cDNA
	1A11	253	444	AW842489	NA	1.00E-98	1	CN0032 cDNA
	2E6	132	447	AW846856	NA	1.00E-149		CT0195 cDNA
	4F9	1	462	AW856490	NA	0	1	CT0290 cDNA
	3C4	23	366	AW859565	NA	0	1	CT0355 cDNA
	9D3	81	295	AW866426	NA	1.00E-108		SN0024 cDNA
	1F9	88	421	AW873028	NA NA	1.00E-170		cDNA clone IMAGE:3120038 3'
	G4 D5	1 55	294 648	AW873326	NA NA	1.00E-107		cDNA clone IMAGE:3009400 3'
	D5	55 101	648 294	AW886511	NA NA	0 1.00E.102	1	OT0083 cDNA
	0A5	101	294	AW891344	NA NA	1.00E-102		NT0079 cDNA
40	9E9	196	260	AW945538	NA	8.00E-28	1	EN0024 cDNA

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

470115	47	004	A) N/O 4020E	NIA	4.00= 400	4	ENIODAD -DNIA
479H5	17	224	AW948395	NA	1.00E-102		FN0040 cDNA
165E7 123G9	2 104	599 715	AW949461	NA NA	0	1	MAGA cDNA MAGC cDNA
123G9 183F3	84	503	AW954112 AW954476	NA NA	1.00E-159	1	MAGC cDNA
196C6	8	189	AW954580	NA NA	5.00E-139	1	MAGC cDNA
515H10	1	512	AW955265	NA NA	0	1	MAGC cDNA
41E8	16	671	AW957139	NA NA	1.00E-145		MAGD cDNA
66A7	335	503	AW958538	NA NA	4.00E-85	1	MAGE cDNA
465G8	169	615	AW960484	NA NA	4.00L-05	1	MAGF cDNA
519E6	44	290	AW960593		1.00E-134	1	MAGF cDNA
519E6 594F4	306		AW960593 AW963171	NA NA		1	MAGH cDNA
155B2	30	571 673		NA NA	0	3	MAGH cDNA
173B5	30 1	673 553	AW964218 AW965078	NA NA	0	1	MAGI cDNA
	7				1.00E-136	: 1	MAGI cDNA
176A6 498H9	1	312 456	AW965490	NA NA	0		MAGI cDNA
517D11	105	484	AW965987 AW966098	NA NA	0	2 2	MAGI cDNA
		559			0	1	MAGJ cDNA
166H7 462C8	63		AW967388	NA NA	2.00E-72	1	MAGJ cDNA
	69 8	212	AW967948	NA NA			MAGJ CDNA
189C5		566 587	AW968561	NA NA	0	1	MAGK cDNA
459C3	129	587	AW969359	NA NA		2	
174C1	155	527	AW969546	NA NA	1.00E-170 1.00E-152		MAGK cDNA
191F6	158	543	AW973953	NA NA	7.00E-152	1	MAGM cDNA MAGN cDNA
461G9	311 182	437 594	AW974749	na Na		1	BN0034 cDNA
104D1 188F5	734	1292	AW993791 AY007110	NA NA	0 0	4	clone TCCCTA00084 mRNA sequence Length = 1656
100F3	134	1232	A1007110	IVA	U	4	Cione 10001A00004 militar sequence Length = 1000
48D7	692	1169	AY029066	NA	1.00E-76	4	Humanin (HN1) mRNA, complete cds Length = 1567
55B8	1802	2045	BC000141	NA	3.00E-96	1	Similar to myelocytomatosis oncogene, clone MGC:5183, mRNA
37A8	34	301	BC000374	NA	1.00E-101	1	ribosomal protein L18, clone MGC:8373, mRNA, complete cds
178E5	20	551	BC000408	NA	5.00E-53	1	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase
596G2	27	263	BC000449	NA	3.00E-43	2	Similar to ubiquitin C, clone MGC:8448, mRNA, complete cds
179A3	693	1002	BC000514	NA	1.00E-160	3	ribosomal protein L13a, clone MGC:8547, mRNA, complete cds
158F10	169	522	BC000523	NA	1.00E-157	1	Similar to ribosomal protein S24, clone MGC:8595, mRNA, complete cds
515G5	34	270	BC000530	NA	7.00E-38	1	ribosomal protein L19, clone MGC:8653, mRNA, complete cds
39B6	286	1073	BC000590	NA	0	9	actin related protein 2/3 complex, subunit 2 (34 kD), clone MGC:1416,
169A4	929	1314	BC000672	NA	0	1	guanine nucleotide binding protein (G protein), beta polypeptide 2-lik
166H4	1350	1745	BC000771	NA	1.00E-169	8	Similar to tropomyosin 4, clone MGC:3261, mRNA, complete cds
331F9	482	949	BC000967	NA	0	1	clone IMAGE:3449287, mRNA, partial cds Length = 2156
526C6	633	829	BC001169	NA	1.00E-100	1	Similar to esterase 10, clone MGC:1873, mRNA, complete cds
135G12	1598	1766	BC001303	NA	6.00E-42	1	Similar to splicing factor, arginine/serine-rich 2 (SC-35), clone MGC:
491C6	613	714	BC001385	NA	3.00E-34	1	Similar to leucine rich repeat (in FLII) interacting protein 1, clone

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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108D10	234	641	BC001399	NA	2.00E-79	1	ferritin, heavy polypeptide 1, clone MGC:1749, mRNA, complete cds
196H5	1387	1899	BC001412	NA	6.00E-55	4	eukaryotic translation elongation factor 1 alpha 1, clone MGC.1332, mR
460F5	973	1350	BC001413	NA	0	1	clone IMAGE:3140866, mRNA Length = 1634
520C5	348	472	BC001632	NA	5.00E-34	1	Similar to NADH dehydrogenase (ubiquinone) flavoprotein 2 (24kD), clon
520D10	1729	2205	BC001637	NA	0	2	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit
524A1	564	922	BC001660	NA	1.00E-94	2	ribonuclease 6 precursor, clone MGC:1360, mRNA, complete cds
121E7	275	381	BC001697	NA	2.00E-26	1	Similar to ribosomal protein S15a, clone MGC:2466, mRNA, complete cds
109D1	2441	2835	BC001798	NA	1.00E-123	1	clone MGC:3157, mRNA, complete cds Length = 3041
180D9	741	921	BC001819	NA	5.00E-85	2	ribonuclease 6 precursor, clone MGC:3554, mRNA, complete cds
72H5	1264	2808	BC001854	NA	0	8	methionine adenosyltransferase II, alpha, clone MGC:4537, mRNA, comple
167H8	1099	1436	BC002409	NA	1.00E-49	1	actin, beta, clone MGC:8647, mRNA, complete cds Length = 1858
53H1	2398	2513	BC002538	NA	3.00E-41	1	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member
125B3	246	585	BC002711	NA	1.00E-40	1	cell division cycle 42 (GTP-binding protein, 25kD), clone MGC:3497, mR
331H8	201	557	BC002837	NA	0	1	clone MGC:4175, mRNA, complete cds Length = 1092
150C4	1699	2040	BC002845	NA	8.00E-29	1	eukaryotic translation elongation factor 1 alpha 1, clone MGC:3711, mR
70D7	345	850	BC002900	NA	0	1	Similar to proteasome (prosome, macropain) subunit, alpha type, 2, clo
476B5	1431	1761	BC002929	NA	1.00E-141	1	clone IMAGE:3954899, mRNA, partial cds Length = 2467
38D7	200	688	BC002971	NA	0	2	clone IMAGE:3543711, mRNA, partial cds Length = 1934
74A11	652	1724	BC003063	NA	0	5	Similar to likely ortholog of yeast ARV1, clone IMAGE:3506392, mRNA
105H12	1148	1370	BC003090	NA	1.00E-105	1	COP9 homolog, clone MGC:1297, mRNA, complete cds Length = 1637
50F4	8	301	BC003137	NA	1.00E-115	1	ribosomal protein S3, clone MGC:3657, mRNA, complete cds
175G9	93	216	BC003352	NA	1.00E-33	1	tumor protein, translationally-controlled 1, clone MGC:5308, mRNA, com
587E9	72	554	BC003358	NA	4.00E-60	2	ribosomal protein L10, clone MGC:5189, mRNA, complete cds
71F8	491	911	BC003406	NA	0	1	cytidine monophosphate-N-acetylneuraminic acid hydroxylase (CMP-N-acet
512E11	308	372	BC003563	NA	2.00E-27	1	guanine nucleotide binding protein (G protein), gamma 5, clone MGC:196
118B11	76	343	BC003577	NA	1.00E-111	1	clone IMAGE:3544292, mRNA, partial cds Length = 826
107E3	9	634	BC003697	NA	0	1	clone MGC:5564, mRNA, complete cds Length = 2145
128D4	1408	1550	BC004186	NA	1.00E-34	1	guanine nucleotide binding protein, beta 1, clone MGC:2819, mRNA, comp
58H6	554	859	BC004245	NA	1.00E-171	2	ferritin, light polypeptide, clone MGC:10465, mRNA, complete cds
481D8	134	460	BC004258	NA	6.00E-73	1	hypothetical protein PRO1741, clone MGC:10753, mRNA, complete cds

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				•		•	
520F6	160	1400	BC004317	NA	0	3	clone MGC:10924, mRNA, complete cds Length = 1837
489G7	511	787	BC004458	NA	2.00E-60	1	enolase 1, (alpha), clone MGC:4315, mRNA, complete cds
115B8	1162	1640	BC004521	NA	0	2	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit
118A2	1126	1369	BC004805	NA	4.00E-38	1	similar to Mus musculus, clone IMAGE:3584831, mRNA Length = 1910
73D2	1174	1751	BC004872	NA	0	1	clone MGC:11034, mRNA, complete cds Length = 2471
522E3	681	993	BC004900	NA	1.00E-175	10	ribosomal protein L13a, clone IMAGE:3545758, mRNA, partial cds
55G12	1	232	BC004928	NA	3.00E-68	1	clone MGC:10493, mRNA, complete cds Length = 2567
520C2	3	139	BC004994	NA	1.00E-31	1	myosin regulatory light chain, clone MGC:4405, mRNA, complete cds
460H4	1577	1923	BC005101	NA	0	1	clone IMAGE:3618561, mRNA Length = 2113
154F12	122	283	BC005128	NA	2.00E-46	1	ribosomal protein L7a, clone MGC:10607, mRNA, complete cds
592C8	647	925	BC005187	NA	2.00E-32	1	Similar to hypothetical protein, clone MGC:12182, mRNA, complete cds
591D1	726	837	BC005361	NA	5.00E-31	1	proteasome (prosome, macropain) subunit, alpha type, 4, clone MGC:1246
458A7	1307	1568	BC005816	NA	4.00E-98	1	Similar to deltex (Drosophila) homolog 1, clone IMAGE:3688330, mRNA, p
122C6	263	378	BC005928	NA	1.00E-29	1	S100 calcium-binding protein A8 (calgranulin A), clone MGC:14536, mRNA
47H11	273	854	BC006008	NA	0	1	clone IMAGE:4285740, mRNA Length = 1040
598E1	850	1226	BC006176	NA	0	2	clone IMAGE:4054156, mRNA, partial cds Length = 1423
175A1	570	887	BC006282	NA	1.00E-161	1	Similar to RIKEN cDNA 1110020N13 gene, clone MGC:10540
150H12	543	1098	BC006464	NA	0	1	calmodulin 2 (phosphorylase kinase, delta), clone MGC:2168
583E5	980	1246	BC006849	NA	1.00E-127	1	Similar to RIKEN cDNA 2410044K02 gene, clone MGC:5469
41H7	619	1308	BC007004	NA	0	2	Similar to oxysterol-binding protein-related protein 1, clone IMAGE:40
56C12	13	187	BC007063	NA	6.00E-27	1	peroxiredoxin 1, clone MGC:12514, mRNA, complete cds Length = 973
183C11	2986	3328	BC007203	NA	1.00E-169		hypothetical protein MGC10823, clone MGC:12957, mRNA, complete cds
109H10	1343	1627	BC007277	NA	1.00E-156		Similar to RIKEN cDNA 0610039P13 gene, clone MGC:15619, mRNA
588E11	423	1324	BC007299	NA	0	3	Similar to ATP synthase, H+ transporting, mitochondrial F1 complex, al
164F12	72	336	BE002854	NA	1.00E-147	1	BN0090 cDNA
106A12	22	608	BE005703	NA	0	1	BN0120 cDNA
472E11	168	297	BE044364	NA	1.00E-66	1	Soares_NFL_T_GBC_S1 cDNA clone IMAGE:3040218 3'
458H11	2	510	BE049439	NA	0	1	cDNA clone IMAGE:2834924 3'
46F7	18	527	BE061115	NA	0	1	BT0041 cDNA
105A8	1	166	BE085539	NA	3.00E-74	1	BT0669 cDNA
467F5	27	247	BE086076	NA	1.00E-115	1	BT0672 cDNA
469B6	5	188	BE091932	NA	6.00E-87	1	BT0733 cDNA
66D7	18	568	BE160822	NA	0	1	HT0422 cDNA
593F8	110	451	BE163106	NA	1.00E-165	1	HT0457 cDNA
468B10	1	461	BE168334	NA	0	1	HT0514 cDNA

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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192E1	1	602	BE176373	NA	0	1	HT0585 cDNA
109A9	100	377	BE177661	NA	1.00E-129	1	HT0598 cDNA
468B9	27	145	BE178880	NA	3.00E-31	1	HT0609 cDNA
526E11	6	222	BE217848	NA	1.00E-118	3	cDNA clone IMAGE:3174941 3'
115H2	226	227	BE218938	NA	2.00E-97	1	cDNA clone IMAGE:3176478 3'
126B3	1	509	BE222301	NA	1.00E-151	1	cDNA clone IMAGE:3166180 3'
195F2	123	470	BE222392	NA	4.00E-91	1	cDNA clone IMAGE:3166335 3'
170F7	1	375	BE242649	NA	0	1	acute myelogenous leukemia cell (FAB M1) Baylor- HGSC
459F10	35	432	BE247056	NA	5.00E-84	1	cell acute lymphoblastic leukemia Baylor-HGSC project=TCBA
491G11	269	516	BE253336	NA	1.00E-116	1	cDNA clone IMAGE:3357826 5'
471H10	140	202	BE254064	NA	2.00E-26	1	cDNA clone IMAGE:3354554 5'
521H9	22	605	BE292793	NA	0	2	cDNA clone IMAGE:2987838 5'
472A9	33	436	BE297329	NA	0	1	cDNA clone IMAGE:3532809 5'
99E10	59	423	BE328818	NA	0	1	cDNA clone IMAGE:3181355 3'
192C3	4	335	BE348809	NA	0	1	cDNA clone IMAGE:3152438 3'
140G6	206	405	BE348955	NA	3.00E-85	1	cDNA clone IMAGE:3144625 3'
483D12	1	534	BE349148	NA	1.00E-160	1	cDNA clone IMAGE:3150275 3'
491H12	1	526	BE379820	NA	0	1	cDNA clone IMAGE:3510960 5'
481D5	212	333	BE464239	NA	3.00E-45	1	cDNA clone IMAGE:3194693 3'
469H8	31	179	BE466500	NA	2.00E-71	1	cDNA clone IMAGE:3195395 3'
56D11	72	353	BE467470	NA	1.00E-113		cDNA clone IMAGE:3212950 3'
471D10	1	249	BE502246	NA	1.00E-119		cDNA clone IMAGE:3197344 3'
471C2	255	486	BE502992	NA	1.00E-128		cDNA clone IMAGE:3214462 3'
56A2	291	669	BE538333	NA	1.00E-164		cDNA clone IMAGE:3454710 5'
191F12	488	587	BE547584	NA	9.00E-28	1	cDNA clone IMAGE:3461312 5'
525F3	5	236	BE550944	NA	1.00E-125		cDNA clone IMAGE:3233200 3'
473B7	46	228	BE551867	NA	4.00E-86	1	cDNA clone IMAGE:3195555 3'
467C6	48	404	BE569141	NA	1.00E-162		cDNA clone IMAGE:3681180 5'
110D3	193	473	BE613237	NA	1.00E-157		cDNA clone IMAGE:3856357 3'
140F9	20	344	BE614297	NA	1.00E-84	1	cDNA clone IMAGE:3906037 3'
473B12	63	216	BE645630	NA	3.00E-51	1	cDNA clone IMAGE:3288143 3' similar to contains
460C2	156	594	BE646470	NA	0	1	cDNA clone IMAGE:3292133 3'
172E5	329	491	BE670804	NA	7.00E-72	8	cDNA clone IMAGE:3285031 3' similar to gb:J04130
469D4	50	553	BE674685	NA NA	0	1	cDNA clone IMAGE:3292800 3' similar to TR:O60688
171F2	10	280	BE676054	NA	1.00E-96	1	cDNA clone IMAGE:3295273 3'
102E12	102	357	BE737348	NA	2.00E-93	1	cDNA clone IMAGE:3640772 5'
121C11	198	488	BE748663	NA	1.00E-150		cDNA clone IMAGE:3838675 3'
121011 126D1	208	449	BE763412	NA	1.00E-130		NT0036 cDNA
172H5	52	581	BE768647	NA NA	0	1	FT0010 cDNA
172H3 176F12	178	646		NA NA	0	1	cDNA clone IMAGE:3936215 5'
71A6	16	437	BE792125	NA	0	1	CN0028 cDNA
	14	132	BE825187	NA NA	4.00E-60		cDNA clone IMAGE:3306735 3'
115F11			BE858152			1	
61A11	1	448 277	BE872245	NA NA	0	1	cDNA clone IMAGE:3850435 5' cDNA clone IMAGE:3891244 5'
171B8	155	377	BE875145	NA NA	8.00E-88	1	
108A6	370	539	BE876375	NA	7.00E-72	2	cDNA clone IMAGE:3889033 5'
166B1	1	472	BE877115	NA	1.00E-153		cDNA clone IMAGE:3887598 5'
63D11	208	496	BE878973	NA	1.00E-141		cDNA clone IMAGE:3895002 5'
525C3	208	400	BE879482	NA	7.00E-88	1	cDNA clone IMAGE:3894277 5'
526F7	335	603	BE881113	NA NA	1.00E-126		cDNA clone IMAGE:3894306 5'
152G12	122	659	BE881351	NA	0	2	cDNA clone IMAGE:3892808 5'
589H4	118	510	BE882335	NA	0	2	cDNA clone IMAGE:3907044 5'
51B12	199	631	BE884898	NA	3.00E-56	1	cDNA clone IMAGE:3908551 5'

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

114C1	286	530	BE887646	NA	1.00E-121	1	cDNA clone IMAGE:3913468 5'
120 H 2	282	706	BE888744	NA	0	1	cDNA clone IMAGE:3915133 5'
107D11	172	497	BE891242	NA	0	1	cDNA clone IMAGE:3917201 5'
513G4	263	662	BE891269	NA	0	1	cDNA clone IMAGE:3917064 5'
166B8	7	453	BE891928	NA	0	1	cDNA clone IMAGE:3920185 5'
185G9	23	390	BE894437	NA	1.00E-145	1	cDNA clone IMAGE:3918224 5'
189A8	211	485	BE896691	NA	1.00E-82	1	cDNA clone IMAGE:3925062 5'
598A7	78	301	BE897669	NA	1.00E-83	1	cDNA clone IMAGE:3923346 5'
191D9	189	575	BE899595	NA	0	3	cDNA clone IMAGE:3952215 5'
331F2	109	287	BF001438	NA	3.00E-96	2	cDNA clone IMAGE:3313517 3'
192C9	57	419	BF033741	NA	0	1	cDNA clone IMAGE:3857635 5'
117H4	73	454	BF056055	NA	0	1	cDNA clone IMAGE:3443950 3' similar to contains
104B10	6	412	BF058599	NA	1.00E-177	1	cDNA clone IMAGE:3477311 3'
331A12	13	164	BF059133	NA	1.00E-72	1	cDNA clone IMAGE:3480249 3'
40H1	81	507	BF060725	NA	0	1	7j59h07.x1 Soares_NSF_F8_9W_OT_PA_P_S1
					_	•	cDNA clone
464F1	1	510	BF061421	NA	0	1	7j52c11.x1 Soares_NSF_F8_9W_OT_PA_P_S1 cDNA clone
71E11	1	441	BF105172	NA	0	1	cDNA clone IMAGE:4042560 5'
129D7	92	561	BF116224	NA NA	0	2	cDNA clone IMAGE:4042300 3
145E10	83	624	BF131060	NA	0	1	cDNA clone IMAGE:4051731 5'
143E10	105	410	BF194880	NA NA	1.00E-157	1	cDNA clone IMAGE:3643600 3'
157E9	102	308	BF197153	NA	1.00E-108		cDNA clone IMAGE:3561933 3'
127H8	102	173	BF197762	NA NA	3.00E-108	1	cDNA clone IMAGE:3653139 3'
462D1	29	173	BF221780	NA NA	7.00E-92	1	cDNA clone IMAGE:3578603 3'
	29 7	229					
472B8			BF306204	NA NA	9.00E-70	1	cDNA clone IMAGE:4138980 5'
62A3	187	612	BF309911	NA	1.00E-162		cDNA clone IMAGE:4138171 5'
476G4	316	487	BF330908	NA	5.00E-66	1	BT0333 cDNA
524D1	86	258	BF339088	NA	8.00E-88	1	cDNA clone IMAGE:4182956 5'
58G4	13	606	BF341359	NA	0	2	cDNA clone IMAGE:4149195 5'
480E7	68	288	BF357523	NA	4.00E-97	1	HT0945 cDNA
116C9	8	170	BF364413	NA	2.00E-81	1	NN1068 cDNA
168F4	11	595	BF369763	NA	0	1	GN0120 cDNA
495F1	1	318	BF373638	NA	1.00E-108	2	FT0176 cDNA
98E1	81	499	BF377518	NA	0	2	TN0115 cDNA
169C5	17	500	BF380732	NA	0	1	UT0073 cDNA
464E11	12	272	BF432643	NA	1.00E-129	1	cDNA clone IMAGE:3406531 3'
183G2	119	548	BF433058	NA	1.00E-112		cDNA clone IMAGE:3565500 3'
473F9	21	411	BF433353	NA	0	1	cDNA clone IMAGE:3703678 3'
117C9	179	462	BF433657	NA	2.00E-99	1	cDNA clone IMAGE:3702965 3' similar to contains
514A3	170	245	BF435621	NA	2.00E-34	2	Lupski_sciatic_nerve cDNA clone IMAGE:3394901 3' similar to
459G8	78	417	BF445405	NA	1.00E-179	1	cDNA clone IMAGE:3699337 3'
483D10	12	474	BF447885	NA	0	1	cDNA clone IMAGE:3706147 3'
519H12	319	394	BF449068	NA	3.00E-27	1	cDNA clone IMAGE:3579069 3'
584H11	78	487	BF475501	NA	7.00E-50	1	Lupski_sciatic_nerve cDNA clone IMAGE:3396242 3'
471G8	214	400	BF478238	NA	9.00E-61	1	cDNA clone IMAGE:3700476 3' similar to contains
109F10	20	329	BF507849	NA	1.00E-172		UI-H-BI4-apv-h-02-0-UI.s1 NCI_CGAP_Sub8 cDNA
173E10	147	231	BF510393	NA	1.00E-39	1	clone IMAGE:3088755 3' UI-H-BI4-aon-h-07-0-UI.s1 NCI_CGAP_Sub8 cDNA
464D1	32	460	BF513602	NA	1.00E-106	1	clone IMAGE:3085669 3' UI-H-BW1-amt-a-11-0-UI.s1 NCI_CGAP_Sub7 cDNA
							clone IMAGE:3070773 3'
118D9	106	248	BF514341	NA	4.00E-46	1	UI-H-BW1-and-h-10-0-UI.s1 NCI_CGAP_Sub7 cDNA clone IMAGE:3082218 3'

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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462E3	29	197	BF515538	NA	1.00E-87	1	UI-H-BW1-anq-b-09-0-UI.s1 NCI_CGAP_Sub7 cDNA clone IMAGE:3083081 3'
459C7	70	661	BF525720	NA	0	1	cDNA clone IMAGE:4212877 5'
462F8	151	684	BF526421	NA	0	1	cDNA clone IMAGE:4213536 5'
174H6	1	367	BF530382	NA	0	1	cDNA clone IMAGE:4214327 5'
477C5	183	689	BF569545	NA	0	1	cDNA clone IMAGE:4310435 5'
46C3	2	626	BF571362	NA	0	1	cDNA clone IMAGE:4252059 5'
465B1	350	508	BF591040	NA	3.00E-39	1	cDNA clone IMAGE:3319177 3'
477G7	6	127	BF592138	NA	2.00E-57	1	cDNA clone IMAGE:3573334 3'
180B2	53	264	BF593930	NA	1.00E-114	1	nab48e03.x1 Soares_NSF_F8_9W_OT_PA_P_S1 cDNA clone
185F12	139	578	BF663116	NA	0	1	cDNA clone IMAGE:4308392 5'
471F9	77	590	BF667621	NA	0	1	cDNA clone IMAGE:4278888 5'
41D10	16	664	BF668050	NA	0	2	cDNA clone IMAGE:4279827 5'
491G6	87	275	BF670567	NA	1.00E-97	1	cDNA clone IMAGE:4290961 5'
112B4	17	303	BF671020	NA	1.00E-120	1	cDNA clone IMAGE:4292143 5'
194H6	6	196	BF678298	NA	1.00E-100		cDNA clone IMAGE:4248916 5'
514H9	96	179	BF691178	NA	2.00E-32	1	cDNA clone IMAGE:4332544 5'
99H1	146	327	BF691895	NA	2.00E-69	1	cDNA clone IMAGE:4333460 5'
465E12	29	681	BF725383	NA	0	1	cDNA (Un-normalized, unamplified): BX cDNA clone
400L12	20	001	Di 120000	14/1	·	•	obia ((on nomanzou, anampinou), bit obia (orono
69B10	17	96	BF726114	NA	3.00E-37	1	cDNA (Un-normalized, unamplified): BY cDNA clone
151H10	18	366	BF732404	NA	0	1	cDNA clone IMAGE:3434918 3'
124D2	36	378	BF736784	NA	1.00E-179	1	KT0018 cDNA
463H5	30	152	BF740663	NA	3.00E-56	1	HB0031 cDNA
469D2	164	398	BF744387	NA	6.00E-74	1	BT0636 cDNA
72E1	17	128	BF749089	NA	1.00E-44	3	BN0386 cDNA
98C3	9	515	BF758480	NA	0	1	CT0539 cDNA
46E11	26	162	BF773126	NA	5.00E-57	1	IT0048 cDNA
124C8	32	257	BF773393	NA	1.00E-115		IT0039 cDNA
166G8	312	549	BF797348	NA	1.00E-108		cDNA clone IMAGE:4340490 5'
146D8	222	288	BF805164	NA	5.00E-29	1	CI0173 cDNA
49G4	99	460	BF813798	NA	0	5	Cl0084 cDNA
469F8	31	455	BF816700	NA	4.00E-88	1	CI0128 cDNA
98C1	37	375	BF818594	NA	1.00E-163		CI0184 cDNA
62C9	166	359	BF821451	NA	3.00E-28	1	RT0038 cDNA
51F8	28	367	BF827734	NA	1.00E-175		HN0025 cDNA
56F7	15	429	BF845167	NA	9.00E-84	1	HT1035 cDNA
476D11	1	303	BF869167	NA	1.00E-165	2	ET0119 cDNA
476H4	12	262	BF875575	NA	1.00E-131		ET0100 cDNA
68D6	242	452	BF877979	NA	3.00E-98	1	ET0109 cDNA
37C10	1	381	BF897042	NA	0	3	MT0179 cDNA
465B3	63	193	BF898285	NA	5.00E-60	1	MT0229 cDNA
331C7	274	485	BF899464	NA	3.00E-83	1	MT0211 cDNA
72D8	50	334	BF904425	NA	1.00E-152		MT0245 cDNA
159F6	333	417	BF906114	NA	2.00E-35	1	MT0267 cDNA
108H5	6	409	BF926187	NA	0	1	NT0193 cDNA
71 F 9	192	286	BF928644	NA	1.00E-43	1	NT0216 cDNA
481D4	27	334	BF938959	NA	1.00E-102		cDNA clone IMAGE:3706689 3'
189B11	69	183	BF939014	NA	4.00E-29	1	cDNA clone IMAGE:3706658 3'
115G2	85	399	BF940103	NA	1.00E-177		cDNA clone IMAGE:3439383 3'
463B3	304	449	BF940291	NA	8.00E-62	1	cDNA clone IMAGE:3577096 3'
122G1	8	339	BF950968	NA	1.00E-170		NN1186 cDNA
470B4	251	320	BF962743	NA	2.00E-28	1	NN0045 cDNA
516D5	39	208	BF962934	NA	5.00E-69	1	NN0045 cDNA
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Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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593G10	242	597	BF965068	NA	1.00E-177	2	cDNA clone IMAGE:4356776 5'
101A1	6	356	BF965438	NA	1.00E-132	1	cDNA clone IMAGE:4356453 5'
477F3	25	653	BF965960	NA	0	1	cDNA clone IMAGE:4365102 5'
588E4	67	562	BF966028	NA	1.00E-134	1	cDNA clone IMAGE:4364887 5'
467F10	11	282	BF966049	NA	1.00E-122	1	cDNA clone IMAGE:4364941 5'
59E12	81	355	BF966269	NA	1.00E-144	1	cDNA clone IMAGE:4375212 5'
480E11	416	755	BF968628	NA	8.00E-41	1	cDNA clone IMAGE:4359351 5'
37H8	200	500	BF968963	NA	1.00E-148	1	cDNA clone IMAGE:4358390 5'
98H5	396	397	BF969990	NA	1.00E-133	1	cDNA clone IMAGE:4360614 5'
597C3	15	571	BF971075	NA	0	1	cDNA clone IMAGE:4358911 5'
101F1	188	305	BF971984	NA	6.00E-42	1	cDNA clone IMAGE:4329095 5'
464H5	246	602	BF980139	NA	0	1	cDNA clone IMAGE:4373963 3'
63B6	130	597	BF981080	NA	0	1	cDNA clone IMAGE:4401411 5'
167A3	223	418	BF981263	NA	1.00E-101	1	cDNA clone IMAGE:4400757 5'
512C12	1	494	BF981634	NA	0	1	cDNA clone IMAGE:4397101 5'
187 H 7	26	433	BF997765	NA	1.00E-180	2	GN0127 cDNA
458E4	54	242	BG006820	NA	3.00E-62	1	GN0227 cDNA
106A7	1	604	BG024761	NA	0	1	cDNA clone IMAGE:4363858 5'
459H6	1	524	BG026279	NA	0	1	cDNA clone IMAGE:4386607 5'
460B9	264	512	BG028577	NA	1.00E-105	1	cDNA clone IMAGE:4387518 5'
49E9	100	537	BG033909	NA	0	1	cDNA clone IMAGE:4402729 5'
54C10	1	582	BG033953	NA	0	2	cDNA clone IMAGE:4402647 5'
182B3	1	489	BG034799	NA	0	1	cDNA clone IMAGE:4413514 5'
166F8	13	586	BG036101	NA	0	1	cDNA clone IMAGE:4414135 5'
104A12	56	240	BG054966	NA	1.00E-100	1	cDNA clone IMAGE:3441756 3'
171H10	4	269	BG056668	NA	3.00E-85	1	cDNA clone IMAGE:4169714 3'
146G11	13	522	BG057282	NA	0	5	cDNA clone IMAGE:4140477 3' similar to contains
472A11	69	358	BG057892	NA	1.00E-145	1	7f76e08.x1 Lupski_dorsal_root_ganglion cDNA clone
513B4	2	418	BG058599	NA	0	1	cDNA clone IMAGE:4141266 3'
134B4	201	519	BG058739	NA	1.00E-75	4	cDNA cione IMAGE:4140551 3'
163E7	83	327	BG110599	NA	1.00E-126	1	cDNA clone IMAGE:4368492 5'
118A7	180	577	BG110835	NA	0	1	cDNA clone IMAGE:4366502 5'
37F12	38	649	BG111212	NA	0	5	cDNA clone IMAGE:4369233 5'
464A10	57	673	BG111773	NA	0	1	cDNA clone IMAGE:4372861 5'
464A7	56	411	BG118529	NA	1.00E-167	1	cDNA clone IMAGE:4443519 5'
458D8	186	715	BG121288	NA	0	1	cDNA clone IMAGE:4450407 5'
166H12	25	339	BG149747	NA	1.00E-177	1	cDNA clone IMAGE:3367325 3'
51H4	4	224	BG149986	NA	1.00E-121	1	cDNA clone IMAGE:3406766 3'
75G3	70	280	BG150273	NA	1.00E-115	4	cDNA clone IMAGE:3442930 3'
500F10	18	677	BG163237	NA	0	3	cDNA clone IMAGE:4446802 5'
519E4	39	575	BG164898	NA	0	3	cDNA clone IMAGE:4453661 5'
119E5	21	276	BG165998	NA	1.00E-120	1	cDNA clone IMAGE:4456017 5'
519B8	29	214	BG166279	NA	5.00E-86	1	cDNA clone IMAGE:4455496 5'
103B8	377	499	BG170647	NA	1.00E-45	1	cDNA clone IMAGE:4426826 5'
470F8	184	307	BG180098	NA	4.00E-63	1	cDNA clone IMAGE:4430875 5'
585C4	4	98	BG230563	NA	5.00E-46	1	cDNA clone IMAGE:4143330 3' similar to contains
48G7	2	298	BG231557	NA	1.00E-119		cDNA clone IMAGE:4142471 3'
73C4	188	430	BG231805	NA	1.00E-130	1	cDNA clone IMAGE:4142814 3'
148H4	2	525	BG231961	NA	1.00E-133	12	cDNA clone IMAGE:4143104 3'
484B5	364	533	BG235942	NA	5.00E-81	1	cDNA clone IMAGE:4141389 3'
137B5	97	523	BG236015	NA	6.00E-87	1	cDNA clone IMAGE:4141365 3'
489B11	12	294	BG236084	NA	4.00E-75	2	cDNA clone IMAGE:4141856 3' similar to
45H2	1	492	BG249224	NA	1.00E-139	1	cDNA clone IMAGE:4470038 5'
172F1	1	562	BG254117	NA	0	1	cDNA clone IMAGE:4475233 5'

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

588F3	66	202	BG254292	NA	9.00E-43	1	cDNA clone IMAGE:4477042 5'
583B5	8	183	BG272304	NA	7.00E-45	1	cDNA clone IMAGE:4257371
73A4	119	311	BG282346	NA	3.00E-42	1	cDNA clone IMAGE:4545131 5'
586A2	99	511	BG283706	NA	1.00E-160	1	cDNA clone IMAGE:4519866 5'
152F12	1	676	BG286649	NA	0	5	cDNA clone IMAGE:4499224 5'
479A12	228	601	BG286817	NA	1.00E-142	1	cDNA clone IMAGE:4500259 5'
99B4	1	449	BG288308	NA	0	2	cDNA clone IMAGE:4512706 5'
584G2	54	468	BG288554	NA	0	1	cDNA clone IMAGE:4517068 5'
464E2	244	549	BG289048	NA	1.00E-159	2	cDNA clone IMAGE:4512868 5'
113H1	149	436	BG289347	NA	1.00E-161	1	cDNA clone IMAGE:4516241 5'
39 G 6	1	503	BG290577	NA	0	1	cDNA clone IMAGE:4517986 5'
48D8	38	440	BG291970	NA	0	1	cDNA clone IMAGE:4517457 5'
60E7	1	398	BG319445	NA	0	4	Keratinocyte Subtraction Library- Downregulated Transcripts Homo
168C2	3	221	BG319498	NA	1.00E-111	2	Keratinocyte Subtraction Library- Downregulated Transcripts Homo
461B12	1	393	BG387694	NA	0	2	cDNA clone IMAGE:4521084 5'
174G11	3	542	BG391695	NA	0	1	cDNA clone IMAGE:4537243 5'
597A4	164	612	BG396292	NA	0	2	cDNA clone IMAGE:4581548 5'
190B10	469	667	BG397564	NA	3.00E-62	2	cDNA clone IMAGE:4564968 5'
593C3	35	461	BG403635	NA	0	1	cDNA clone IMAGE:4526364 5'
57H10	121	495	BG413494	NA	0	1	7j54e06.x1 Soares_NSF_F8_9W_OT_PA_P_S1
							cDNA clone
155G11	119	347	BG424974	NA	3.00E-52	1	cDNA clone IMAGE:4591378 5'
45G3	17	332	BG427404	NA	1.00E-159		cDNA clone IMAGE:4612518 5'
185C9	16	185	BG432194	NA	3.00E-62	1	cDNA clone IMAGE:4610035 5'
331D4	60	386	BG434865	NA	1.00E-179	1	cDNA clone IMAGE:4605025 5'
464H12	97	295	BG438232	NA	1.00E-105	1	cDNA clone IMAGE:4622433 5'
521F2	280	534	BG468330	NA	1.00E-111	1	cDNA clone IMAGE:4644153 5'
56F6	167	582	BG473228	NA	0	2	cDNA clone IMAGE:4646938 5'
61G3	8	185	BG473813	NA	2.00E-95	1	cDNA clone IMAGE:4647416 5'
119E9	7	377	BG482798	NA	1.00E-178	3	cDNA clone IMAGE:4616253 5'
125F8	47	318	BG489375	NA	1.00E-149	1	cDNA clone IMAGE:4636634 5'
73H3	55	154	BG493253	NA	5.00E-49	1	cDNA clone IMAGE:4672787 5'
111H9	79	754	BG497765	NA	0	1	cDNA clone IMAGE:4665582 5'
171A10	74	476	BG501063	NA	0	1	cDNA clone IMAGE:4668643 5'
471G1	65	197	BG501895	NA	1.00E-63	1	cDNA clone IMAGE:4654344 5'
111E1	16	181	BG503693	NA	4.00E-85	2	cDNA clone IMAGE:4657381 5'
121B6	77	553	BG505271	NA	0	2	cDNA clone IMAGE:4664028 5'
599F2	379	484	BG505379	NA	3.00E-45	1	cDNA clone IMAGE:4657121 5'
105C1	208	646	BG505961	NA	0	1	cDNA clone IMAGE:4072795 5'
521E10	23	440	BG506168	NA	0	4	cDNA clone IMAGE:4072226 5'
119A5	188	596	BG506472	NA	1.00E-103	1	cDNA clone IMAGE:4070820 5'
479D7	34	308	BG527060	NA	1.00E-121		cDNA clone IMAGE:4685209 5'
71H3	27	542	BG527658	NA	0	1	cDNA cione IMAGE:4685854 5'
186A7	2	336	BG531486	NA	5.00E-96	1	cDNA clone IMAGE:4699409 5'
187H11	186	662	BG532345	NA	0	1	cDNA clone IMAGE:4699954 5'
64G4	166	650	BG532470	NA	0	1	cDNA clone IMAGE:4699923 5'
486E6	224	561	BG533994	NA	1.00E-168		cDNA clone IMAGE:4663102 5'
116F9	188	392	BG536394	NA	7.00E-100	1	cDNA clone IMAGE:4689645 5'
75C7	1	452	BG536641	NA	0	2	cDNA clone IMAGE:4691078 5'
175D10	3	114	BG537502	NA	2.00E-49	1	cDNA clone IMAGE:4690780 5'
599E1	356	659	BG537302 BG538731	NA	1.00E-111		cDNA clone IMAGE:4691392 5'
191H9	80	631	BG536731 BG541679	NA NA	0	1	cDNA clone IMAGE:4695805 5'
466A4	1	408	BG542394	NA	0	1	cDNA clone IMAGE:4696046 5'
700/17	•	700	20072007		v	•	

67G12	29	698	BG547561	NA	0	3	cDNA clone IMAGE:4703738 5'
467B6	60	234	BG547627	NA	3.00E-93	2	cDNA clone IMAGE:4703608 5'
488F8	2041	2132	D10495	NA	9.00E-31	1	mRNA for protein kinase C delta-type, complete cds Length = 2163
525B6	21	222	D17042	NA	1.00E-100	2	HepG2 partial cDNA, clone hmd3f07m5 Length = 222
471E4	2287	2877	D17391	NA	0	2	mRNA for alpha 4(IV) collagen, C-terminal Length = 3558
134D8	561	694	D28589	NA	2.00E-59	1	mRNA (KIAA00167), partial sequence Length = 792
112D1	1614	2159	D30036	NA	0	1	mRNA for phosphatidylinositol transfer protein (Pl-TPalpha), complete
98H4	1	357	F11941	NA	1.00E-180	1	brain cDNA cDNA clone c-33f05
585G7	15	264	F13765	NA	1.00E-136	1	(1992) cDNA clone FII112 3'
47D11	1	296	F35665	NA	1.00E-146	1	cDNA clone sH5-000005-0/E06
465F5	34	225	H03298	NA	1.00E-70	1	cDNA clone IMAGE:151865 5'
481A6	43	362	H51796	NA	1.00E-123	1	spleen 1NFLS cDNA clone IMAGE:194250 5'
100E3	116	205	H56344	NA	1.00E-37	1	spleen 1NFLS cDNA clone IMAGE:203711 5' similar to
464F9	10	398	H57221	NA	5.00E-45	2	spleen 1NFLS cDNA clone IMAGE:204710 5'
66C3	10	77	H78395	NA	8.00E-28	1	liver spleen 1NFLS cDNA clone IMAGE:233597 3'
105D11	63	365	H81660	NA	1.00E-154	1	2NbHM cDNA clone IMAGE:249138 5'
60G10	1	189	H86841	NA	1.00E-100	1	cDNA clone IMAGE:220310 5' similar to SP:S44265
470D6	1	314	H92914	NA	1.00E-146		Soares_pineal_gland_N3HPG cDNA clone IMAGE:231988 3'
483E5	839	944	K02885	NA	1.00E-26	1	T-cell receptor active beta-chain V-D-J-beta-1.2-C-beta-1 (TCRB) mRNA,
516F5	1753	2047	L11284	NA	1.00E-131	1	Homosapiens ERK activator kinase (MEK1) mRNA Length = 2222
525E11	105	738	L40557	NA	1.00E-112	1	perforin (PRF1) mRNA, 3' end Length = 818
74F1	661	826	M11124	NA	5.00E-41	1	MHC HLA DQ alpha-chain mRNA from DRw9 cell line Length = 835
121E3	1323	1870	M12824	NA	0	4	T-cell differentiation antigen Leu-2/T8 mRNA, partial cds Length = 197
66H2	713	1190	M17783	NA	0	1	glia-derived nexin (GDN) mRNA, 5' end Length = 1191
41A9	698	883	M32577	NA	4.00E-28	1	MHC HLA-DQ beta mRNA, complete cds Length = 1104
478D10	436	605	M55674	NA	4.00E-33	1	(clone M212) phosphoglycerate mutase 2 (muscle specific isozyme) (PGAM
469B8	5	377	N20190	NA	0	1	2NbHM cDNA clone IMAGE:264340 3'
109E4	21	449	N23307	NA	0	2	2NbHM cDNA clone IMAGE:267836 3'
171D9	80	381	N25486	NA	1.00E-147	1	2NbHM cDNA clone IMAGE:264068 5'
73H12	1	398	N27575	NA	1.00E-144	2	2NbHM cDNA clone IMAGE:264499 5'
490A11	25	475	N31700	NA	0	1	2NbHM cDNA clone IMAGE:267025 5'
599D6	185	483	N34261	NA	1.00E-150	1	2NbHM cDNA clone IMAGE:267967 5'
188F3	112	357	N36787	NA	1.00E-107	1	2NbHM cDNA clone IMAGE:273145 3'
465B10	7	558	N49836	NA	0	1	yz08a11.s1 Soares_multiple_sclerosis_2NbHMSP cDNA
40D4	199	575	N58136	NA	1.00E-153	. 1	spleen 1NFLS cDNA clone IMAGE:247587 3'
183E2	227	366	N80578	NA	2.00E-53	1	Soares_fetal_lung_NbHL19W cDNA clone IMAGE:300873 3' similar to
139G6	9	269	N94511	NA	1.00E-125	1	zb80g04.s1 Soares_senescent_fibroblasts_NbHSF cDNA
126B8	1	256	N99577	NA	1.00E-137	2	spleen 1NFLS cDNA clone IMAGE:295067 5'
118A10	893	5056	NC_001807	NA	0	7	mitochondrion, complete genome Length = 16568

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

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41B2	1	471	NM_000873	NA	0	1	intercellular adhesion molecule 2 (ICAM2), mRNA Length = 1035
62A8	1877	1958	NM_000958	NA	1.00E-37	4	prostaglandin E receptor 4 (subtype EP4) (PTGER4), mRNA
179H10	53	265	NM_000983	NA	1.00E-44	1	ribosomal protein L22 (RPL22), mRNA Length = 602
331D3	71	343	NM_001024	NA	1.00E-144	5	ribosomal protein S21 (RPS21), mRNA Length = 343
41G10	3162	3565	NM_001243	NA	3.00E-47	1	tumor necrosis factor receptor superfamily, member 8 (TNFRSF8), mRNA
591E9	1027	1483	NM_002211	NA	0	2	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29
497C6	4946	5064	NM_002460	NA	9.00E-36	2	interferon regulatory factor 4 (IRF4), mRNA Length = 5065
597D8	1232	1461	NM_005356	NA	2.00E-48	1	lymphocyte-specific protein tyrosine kinase (LCK), mRNA Length = 2032
166G2	50	319	NM_005745	NA	2.00E-90	1	accessory proteins BAP31/BAP29 (DXS1357E), mRNA Length = 1314
468D2	3245	3480	NM_011086	NA	8.00E-63	1	similar to Mus phosphoinositide kinase, fyve- containing (Pikfyve), mRNA
599A4	1335	1630	NM_014644	NA	2.00E-69	1	KIAA0477 gene product (KIAA0477), mRNA Length = 5676
69C2	818	1361	NM_014905	NA	0	3	glutaminase (GLS), mRNA Length = 4606
495C6	622	838	NM_015435		1.00E-104	1	double ring-finger protein, Dorfin (DORFIN), mRNA Length = 1640
463D11	480	632	NM_015995	NA	1.00E-77	1	Kruppel-like factor 13 (KLF13), mRNA Length = 1079
49C10	817	964	NM_019604	NA	3.00E-28	1	class-I MHC-restricted T cell associated molecule (CRTAM), mRNA
188E4	390	643	NM_019997	NA	6.00E-79	1	similar to Mus musculus cDNA sequence AB041581 (AB041581)
103H2	1421	1662	NM_021432	NA	3.00E-66	1	similar to Mus RIKEN cDNA 1110020M21 gene (1110020M21Rik)
465G11	1685	1761	NM_021777	NA	1.00E-34	1	a disintegrin and metalloproteinase domain 28 (ADAM28), transcript var
166D8	1265	1951	NM_022152	NA	0	1	PP1201 protein (PP1201), mRNA Length = 2309
459G6	1	123	NM_024567	NA	2.00E-36	1	hypothetical protein FLJ21616 (FLJ21616), mRNA Length = 1858
461G2	667	1182	NM_025977	NA	1.00E-28	1	similar to Mus RIKEN cDNA 2510048L02 gene (2510048L02Rik)
62A5	759	1200	NM_030780	NA	0	1	folate transporter/carrier (LOC81034), mRNA Length = 2534
52C11	1277	1954	NM_030788	NA	0	1	DC-specific transmembrane protein (LOC81501), mRNA Length = 1974
108A7	910	3014	NM_031419	NA	0	4	molecule possessing ankyrin repeats induced by lipopolysaccharide
74E11	47	464	NM_031435	NA	0	1	hypothetical protein DKFZp564I0422 (DKFZP564I0422), mRNA
56B3	1518	1962	NM_031453	NA	1.00E-176	1	hypothetical protein MGC11034 (MGC11034), mRNA Length = 3301
46F2	118	663	NM_031480	NA	1.00E-105	1	hypothetical protein AD034 (AD034), mRNA Length = 2495
192B3	51	290	R11456	NA	1.00E-105	1	spleen 1NFLS cDNA clone IMAGE:129880 5' similar to
458B9	43	359	R64054	NA	1.00E-159	1	cDNA clone IMAGE:139969 5'
169F11	1	429	R85137	NA	0	1	brain N2b4HB55Y cDNA clone IMAGE:180492 5'
465B5	16	392	R88126	NA	1.00E-164	1	cDNA clone IMAGE:186850 5'
477F8	1	525	T77017	NA	0	1	1NIB cDNA clone IMAGE:23326 5'
		455		NA NA	1.00E-145	•	1NIB cDNA clone IMAGE:24693 5'
39G11	162	400	T80378	IVA	1.000-143	1	THE SPINA GIOTE INFASE. 27030 0

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

					•		•	
107D	7 1	1	371	T80654	NA	0	1	spleen 1NFLS cDNA clone IMAGE:108950 5'
465A	.1 6	3	314	T85880	NA	1.00E-114	1	spleen 1NFLS cDNA clone IMAGE:112441 5'
48D1	2 2	2300	2533	U08015	NA	1.00E-128	1	NF-ATc mRNA, complete cds Length = 2743
121F	1 1	13	380	U46388	NA	1.00E-150	1	cell line Patu 8988t cDNA clone xs425
127B	312 3	3	330	U52054	NA	0	4	S6 H-8 mRNA expressed in chromosome 6- suppressed melanoma cells
487C	2 4	4054	4187	U52682	NA	2.00E-28	1	lymphocyte specific interferon regulatory factor/interferon regulatory
110B	33 1	1404	2081	U53530	NA	0	1	cytoplasmic dynein 1 heavy chain mRNA, partial cds Length = 2694
4660	28 3	34	175	U75805	NA	3.00E-47	1	cDNA clone f46
1480		1513	1639	U87954	NA	1.00E-27	1	erbB3 binding protein EBP1 mRNA, complete cds
								Length = 1648
70A4		564	1381	U94359	NA	0 1.00E.33	2	glycogenin-2 like mRNA sequence Length = 4066 FLICE-like inhibitory protein short form mRNA,
158E	:4 (843	945	U97075	NA	1.00E-33	1	complete cds
459A	11 2	227	446	W00466	NA	1.00E-60	1	2NbHM cDNA clone IMAGE:291193 5'
459A	12 (60	350	W00491	NA	1.00E-126	1	2NbHM cDNA clone IMAGE:291255 5' similar to
459E	31 7	76	551	W02600	NA	0	1	spleen 1NFLS cDNA clone IMAGE:296099 5'
1660	C10 '	10	415	W16552	NA	0	1	Soares_fetal_lung_NbHL19W cDNA clone IMAGE:301703 5'
4710	6 :	3	383	W19201	NA	1.00E-149	1	Soares_fetal_lung_NbHL19W cDNA clone IMAGE:303118 5' similar to
520A	\8	75	382	W19487	NA	1.00E-154	1	zb36f09.r1 Soares_parathyroid_tumor_NbHPA cDNA clone
459E	37	57	158	W25068	NA	9.00E-50	1	Soares_fetal_lung_NbHL19W cDNA clone IMAGE:308696 5'
1880	าง	39	283	W26193	NA	2.00E-91	1	randomly primed sublibrary cDNA
75B1		8	386	W27656	NA	1.00E-166		randomly primed sublibrary cDNA
163F		74	330	W47229	NA	1.00E-117		zc39c01.r1 Soares_senescent_fibroblasts_NbHSF cDNA
478E	≣ 6 :	2	322	W56487	NA	3.00E-51	1	zc59c07.r1 Soares_parathyroid_tumor_NbHPA cDNA clone
73H4	4	76	297	W72392	NA	1.00E-121	1	Soares_fetal_heart_NbHH19W cDNA clone IMAGE:345661 3'
66D	5	1	457	W74397	NA	0	3	Soares_fetal_heart_NbHH19W cDNA clone IMAGE:345236 5'
4960	04	85	450	W79598	NA	0	1	Soares_fetal_heart_NbHH19W cDNA clone IMAGE:347020 5'
1650	01	108	287	W80882	NA	4.00E-94	1	Soares_fetal_heart_NbHH19W cDNA clone
		_						IMAGE:347240 5'
4630	3 1	5	406	W86427	NA	0	1	zh61c11.s1 Soares_fetal_liver_spleen_1NFLS_S1 cDNA
4690	311	1276	1621	X06180	NA	0	1	mRNA for CD7 antigen (gp40) Length = 1656
1138	≣ 11	126	885	X65318	NA	0	1	Cloning vector pGEMEX-2 Length = 3995
482	≣ 1	921	1168	X79536	NA	1.00E-102	1	mRNA for hnRNPcore protein A1 Length = 1198
1230	3 8	408	848	XM_002068	NA	8.00E-73	1	glutamate-ammonia ligase (glutamine synthase) (GLUL), mRNA
185E	≣1	508	734	XM_002158	NA	1.00E-27	1	proteasome (prosome, macropain) subunit, alpha type, 5 (PSMA5), mRNA
71A	9	1131	1252	XM_002269	NA	4.00E-29	1	ARP3 (actin-related protein 3, yeast) homolog (ACTR3), mRNA
49G	7	1	257	XM_003189	NA	1.00E-142	3	similar to eukaryotic translation initiation factor 4A, isoform 2 (H.
128	35	783	980	XM_003304	NA	6.00E-41	1	toll-like receptor 2 (TLR2), mRNA Length = 2600
1850		853	1057	XM_003507	NA	2.00E-26	1	small inducible cytokine subfamily B (Cys-X-Cys), member 5 (epithelial
41C	9	588	1221	XM_003593	NA	0	1	CD38 antigen (p45) (CD38), mRNA Length = 1227

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

				,			
156C4	127	270	XM_004020	NA	6.00E-71	1	ribosomal protein S23 (RPS23), mRNA Length = 488
66E2	1344	1577	XM_004500	NA	1.00E-46	1	CD83 antigen (activated B lymphocytes, immunoglobulin superfamily) (CD
61C6	474	987	XM_004611	NA	2.00E-80	1	Ras homolog enriched in brain 2 (RHEB2), mRNA Length = 987
184A7	971	1361	XM_004720	NA	0	1	hypothetical protein FLJ11000 (FLJ11000), mRNA Length = 1680
128E6	580	741	XM_004839	NA	5.00E-38	1	pre-B-cell colony-enhancing factor (PBEF), mRNA Length = 2377
55A11	1096	1305	XM_005162	NA	1.00E-60	1	GTP-binding protein overexpressed in skeletal muscle (GEM), mRNA
519C4	1307	1441	XM_005543	NA	1.00E-69	1	aquaporin 3 (AQP3), mRNA Length = 1441
			_	NA	0	1	inositol polyphosphate-5-phosphatase, 40kD
129F1	1854	2367	XM_005693				(INPP5A), mRNA
522C10	700	916	XM_005698	NA	7.00E-53	1	programmed cell death 4 (PDCD4), mRNA Length = 1622
180G6	1884	2290	XM_005799	NA	1.00E-166	1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29
55F4	2573	2748	XM_005883	NA	4.00E-73	1	early growth response 2 (Krox-20 (Drosophila) homolog) (EGR2), mRNA
492H7	976	1176	XM_005980	NA	4.00E-33	1	proteoglycan 1, secretory granule (PRG1), mRNA Length = 1176
476B4	1541	1918	XM_006741	NA	0	1	hypothetical protein FLJ10701 (FLJ10701), mRNA Length = 2299
493H5	145	379	XM_006881	NA	2.00E-56	1	interleukin 22 (IL22), mRNA Length = 676
499B4	11117	7 11410	XM_007156	NA	3.00E-34	1	spastic ataxia of Charlevoix-Saguenay (sacsin) (SACS), mRNA
183D7	4270	4376	XM_007189	NA	5.00E-37	1	forkhead box O1A (rhabdomyosarcoma) (FOXO1A), mRNA Length = 5037
115B6	4151	4408	XM_007606	NA	2.00E-50	2	thrombospondin 1 (THBS1), mRNA Length = 5719
587B4	31	264	XM 007650		1.00E-114		beta-2-microglobulin (B2M), mRNA Length = 918
598H5	206	300	XM_008062		1.00E-31	1	ribosomal protein S15a (RPS15A), mRNA Length = 435
73E4	3252	3505	XM_008082	NA	1.00E-119	1	adaptor-related protein complex 1, gamma 1 subunit (AP1G1), mRNA
64F7	186	334	XM_008449	NA	1.00E-47	1	small inducible cytokine A4 (homologous to mouse Mip-1b) (SCYA4)
585E1	904	1020	XM_009533	NA	1.00E-26	1	CGI-06 protein (LOC51604), mRNA Length = 2146
75B8	710	1406	XM_009574		0	1	nucleolar protein (KKE/D repeat) (NOP56), mRNA Length = 1910
467A5	210	620	XM_009641	NA	0	1	v-src avian sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (SRC),
44A3	480	854	XM_009917	NA	0	1	splicing factor 3a, subunit 1, 120kD (SF3A1), mRNA Length = 2614
114D12	2269	2491	XM 009929	NA	7.00E-56	1	LIM domain kinase 2 (LIMK2), mRNA Length = 3699
52F6	1	230	XM_010593		2.00E-36	1	signaling lymphocytic activation molecule (SLAM), mRNA Length = 1791
185E5	1576	1695	XM_010897	NA	3.00E-32	1	neural precursor cell expressed, developmentally down-regulated 5 (NED
106C3	1359	1824	XM_011080	NA	0	1	T cell activation, increased late expression (TACTILE), mRNA
EGU44	40	617	VM 044000	NIA	0	1	interleukin 21 (IL21), mRNA Length = 617
56H11	40	617	XM_011082		0		
53B2	2711		XM_011714		3.00E-29	1	neutral sphingomyelinase (N-SMase) activation associated factor (NSMAF
47A3	896	1231	XM_011865		1.00E-55	1	isopentenyl-diphosphate delta isomerase (IDI1), mRNA Length = 1835
159E9	17	178	XM_011914	NA	1.00E-73	1	ribosomal protein S24 (RPS24), mRNA Length = 515

Table 3A, Candidate nucleotide sequences identified using differential cDNA hybridization analysis

39E6	339	535	XM_012059	NA	1.00E-44	1	hypothetical protein MDS025 (MDS025), mRNA Length = 1225
142F6	623	745	XM_012328	NA	2.00E-40	1	granzyme B (granzyme 2, cytotoxic T-lymphocyte- associated serine ester
118D4	329	765	XM_012649	NA	1.00E-114	1	small inducible cytokine A7 (monocyte chemotactic protein 3) (SCYA7),
168H9	2502	2616	XM_015180	NA	2.00E-33	1	apolipoprotein L, 6 (APOL6), mRNA Length = 2915
58D2	1582	1742	XM_015921	NA	2.00E-30	1	putative chemokine receptor; GTP-binding protein (HM74), mRNA
466H9	86	440	XM_016138	NA	2.00E-45	1	hypothetical protein FLJ12439 (FLJ12439), mRNA Length = 1614
184G1	2651	3584	XM_016481	NA	0	3	hypothetical protein (DJ328E19.C1.1), mRNA Length = 3603
107G9	8199	8786	XM_016721	NA	0	1	zinc finger protein 106 (ZFP106), mRNA Length = 10462
39F11	2719	3671	XM_016972	NA	0	2	similar to hypothetical protein (H. sapiens) (LOC82646), mRNA
159A7	19	561	XM_018498	NA	1.00E-167	3	ribosomal protein L5 (RPL5), mRNA Length = 984
459H2	2956	3450	Y16414	NA	0	1	mRNA for exportin (tRNA) Length = 3497

Table 3B: Identified Genomic Regions that code for novel human mRNA's

Clone	Genome Start	End	Accession	Probability	Number Clones	Genbank Description
				<u> </u>		chromosome 4 clone B271E1 map 4q25,
172H5	12457	13616	AC000015	0	2	complete sequence L
						Chromosome 22q11.2 Cosmid Clone 102g9
464A9	21144	21280	AC000068	2.00E-70	1	In DGCR Region, c
						Chromosome 22q11.2 Cosmid Clone 83c5 I
472B10	20340	20745	AC000087	2.00E-67	1	DGCR Region, co
						BAC clone RG104I04 from 7q21-7q22,
103C4	93389	93611	AC000119	0	5	complete sequence [H
	119111	119521	AC000119			
	119522	119890	AC000119			
	119989	121059	AC000119			
						Chromosome 11q13 BAC Clone 18h3,
514A3	201218	201293	AC000353	5.00E-34	2	complete sequence Leng
						PAC clone RP3-515N1 from 22q11.2-q22,
524A9	24315	24820	AC002073	0	3	complete sequence
	24879	25274	AC002073			
						Genomic sequence from 9q34, complete
458D10	28080	28625	AC002297	0	1	sequence [Homo sap
						Chromosome 16 BAC clone CIT987-SKA-
476D3	106080	106289	AC002302	1.00E-86	1	345G4 ~complete geno
						DNA from chromosome 19-cosmid R33799,
471D10	34638	34885	AC002306	1.00E-118	2	genomic sequence,
						BAC clone CTA-364P16 from 7q31, complete
596F6	75526	76327	AC002467	0	1	sequence [Homo
				_		Xp22 BAC GS-377014 (Genome Systems
473F3	74912	75540	AC002549	0	2	BAC library) complet
=				_		BAC clone CTB-104F4 from 7q21-q22,
111E12	24581	24992	AC003086	0	1	complete sequence Le
47450	00700					chromosome 17, clone HCIT268N12,
471E9	39706	40014	AC003103	1.00E-151	1	complete sequence Leng
-0000	00.477	00045	4.0000005	0.00=.00		chromosome 17, clone hRPC.859_O_20,
526B9	39477	39615	AC003695	3.00E-29	1	complete sequence L
224 8 2	47793	40400	A C 0 0 2 0 7 C	4.00= 404	_	chromosome 17, clone hCIT.91_J_4,
331A3	4//93	40492	AC003976	1.00E-164	5	complete sequence Len
105C1	115642	116079	AC004067	0	4	chromosome 4 clone B366O24 map 4q25,
10301	110042	110079	AC004067	U	1	complete sequence
169H8	35828	35076	AC004080	5 00E 71	1	PAC clone RP1-170O19 from 7p15-p21,
103110	33020	33970	AC004060	5.00E-7 T	ł	complete sequence L
55F9	11/1263	114415	AC004169	3 00E 46	1	chromosome 4 clone C0236G06 map 4p16,
551 5	114205	114413	AC004109	3.00E-40	1	complete sequence clone UWGC:y17c131 from 6p21, complete
187F9	35319	35718	AC004187	0	1	sequence Length
1071 3	30013	337 10	AC004107	U	•	
159H7	13409	13739	AC00/100	1.00E-166	1	from UWGC:y18c282 from 6p21, complete sequence Length =
.00111	10703	10108	70004130	1.001-100	•	DNA from chromosome 19, cosmid R29144
164D1	28530	29042	AC004224	1.00E-106	1	(LLNLR-252D12) an
ועדטו	20000	20072	AUUU422 I	1.001-100	1	•
168A7	53111	53416	AC004386	5.00E-80	2	Homo Sapiens Chromosome X clone
		JJ-110	A0004300	J.UUE-0U	4.	bWXD691, complete seque
100/11						BAC clone CTB-119C2 from 7p15, complete

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						chromosome 16, cosmid clone 367E12
523F5	38269	38756	AC004644	3.00E-38	1	(LANL), complete seq
						chromosome 17, clone hRPC.1073_F_15,
142E4			AC004686	0	14	complete sequence
	117050	117275	AC004686			
						chromosome 20, P1 clone 28 (LBNL H134),
135F10	39469	39637	AC004762	3.00E-75	1	complete sequen
47000	400407	400000	4.000.4000			PAC clone RP4-589D8 from 7q31.1-q31.3,
472C8	120427	120603	AC004838	6.00E-92	1	complete sequenc
464F11	64853	65242	AC004849	E 00E E0	2	PAC clone RP4-659J6 from 7q33-q35,
4041 11	04000	00242	AC004049	5.00⊑-59	2	complete sequence Le PAC clone RP4-673M15 from 7p13-p11.2,
460D2	54796	55320	AC004854	0	1	complete sequence
.0022	0 11 00	00020	710001001	· ·	•	PAC clone RP4-687K1 from 14, complete
513B4	94866	95147	AC004858	2.00E-57	1	sequence Length =
						PAC clone RP5-852O24 from 7p22,
463C7	53959	54083	AC004906	1.00E-44	1	complete sequence Lengt
						clone DJ0876A24, complete sequence
584D3	56155	56311	AC004913	5.00E-36	1	Length = 98870
						PAC clone RP5-894A10 from 7q32-q32,
171B1	23796	24098	AC004918	1.00E-145	1	complete sequence L
1005.40	00750	0.1001				PAC clone RP5-901A4, complete sequence
463B10	33758	34061	AC004923	1.00E-135	1	Length = 94851
101A1	E007E	E040E	A COO 4007	4.00= 400	4	PAC clone RP1-130H16 from 22q12.1-qter,
IUIAI	50075	50425	AC004997	1.00E-129	1	complete sequen
465G8	28181	28635	AC005014	n	1	BAC clone GS1-166A23 from 7p21, complete sequence Lengt
10000	20101	20000	A0000014	U	1	BAC clone CTB-137N13 from 7, complete
470C3	93162	93469	AC005068	1.00E-160	1	sequence Length =
					,	PAC clone RP5-1099C19 from 7q21-q22,
119E5	28806	29061	AC005156	1.00E-119	1	complete sequence
						BAC clone CTB-163K11 from 7q31, complete
98C3	24385	25049	AC005192	0	1	sequence Lengt
44000	07070	07070				PAC clone RP1-240K6 from 14, complete
140G6	37679	37878	AC005280	6.00E-85	1	sequence Length =
476A10	12753	12926	AC005306	0 00E 22	1	chromosome 19, cosmid R27216 (LLNLR-
410/(10	12700	12020	AC000300	0.00E-33	1	232D4) and 3' overl chromosome 19, cosmid R29942, complete
331A12	34177	34328	AC005391	2 00F-72	1	sequence Length
	0	0.020	710000001	2.002 72	•	clone NH0313P13, complete sequence
111H11	85156	86081	AC005488	0	2	Length = 185737
						PAC clone RP4-701O16 from 7q33-q36,
472H11	22517	22813	AC005531	1.00E-150	1	complete sequence L
						clone RP11-533I8, complete sequence
139G6	96577		AC005540	0	3	Length = 133761
	116180	116836	AC005540			
470E4	70054	74020	A COOFFOO	2.005.44	4	chromosome 5, P1 clone 1369f10 (LBNL
472F4	70951	71038	AC005593	ა.00⊑-41	1	H28), complete seq
469D4	27949	28457	AC005667	0	1	chromosome 17, clone hRPK.329_E_11, complete sequence L
.555 7		_0 101	, 1000001	•	•	chromosome 5p, BAC clone 50g21 (LBNL
463A7	127455	127799	AC005740	1.00E-154	1	H154), complete se
						·· 1

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						chromosome 17, clone hRPK.318_A_15,
126B8	27782	28073	AC005837	1.00E-160	2	complete sequence L
						Xp22-83 BAC GSHB-324M7 (Genome
479D2	202167	202536	AC005859	2.00E-46	1	Systems BAC Library) com
						chromosome 17, clone hRPK.700_H_6,
39G6	62582	63099	AC005920	0	1	complete sequence Le
						PAC clone RP4-813F11 from 7q32-q34,
63E1	39129	39250	AC006006	3.00E-59	1	complete sequence L
461B11	140287	140770	AC006010	1.00E-154	2	clone DJ0935K16
						BAC clone RP11-121A8 from 7p14-p13,
119G10	81312	81740	AC006033	0	1	complete sequence L
						chromosome 17, clone hRPK.268_F_2,
64A2	109063	109613	AC006050	0	2	complete sequence Le
						chromosome 5, P1 clone 254f11 (LBNL
459B7	13630	14294	AC006077	0	1	H62), complete sequ
						chromosome 16 clone RP11-461A8,
37H4	58820	59068	AC006111	1.00E-67	1	complete sequence Lengt
					_	clone UWGC:y55c068 from 6p21, complete
512E3	39935	40123	AC006139	3.00E-94	1	sequence Length
47741140	00704	00000	40000405	0.005.70		clone UWGC:y54c125 from 6p21, complete
171H10	33704	33969	AC006165	8.00E-78	1	sequence Length
70 4 4	400050	400050	10000007	4 005 440		12p13.3 BAC RPCI3-488H23 (Roswell Park
72A1	106659	106958	AC006207	1.00E-149	1	Cancer Institute
4051140	20762	20020	A C006333	2.005.64	4	clone RP5-1151M5, complete sequence
195H12	38763	38930	AC006323	2.000-01	1	Length = 86267
113B6	36330	36635	AC006344	1.00E.157	1	PAC clone RP4-726N20 from 7q32-q34, complete sequence L
11000	30330	30033	A0000044	1.002-107	'	chromosome 17, clone hClT.58_E_17,
588G6	174012	174265	AC006449	2 NOF-93	1	complete sequence Le
00000	11-1012	11-1200	710000-10	2.001-30		BAC clone CTB-161C1 from 7, complete
463B2	65534	66031	AC006483	0	1	sequence Length =
					•	12p13.1 (17.1-21.3 cM) BAC RPCI11-69M1
115F11	71976	72094	AC006511	8.00E-60	1	(Roswell Park Ca
						chromosome 14 clone BAC257P13 map
187H11	34068	34544	AC006536	0	1	14q31, complete seque
						BAC clone RP11-560C1 from 7p22-p21,
477E6	106567	106656	AC007009	6.00E-30	1	complete sequence L
						BAC clone RP11-298H3 from 2, complete
53E10	123408	123785	AC007040	0	1	sequence Length =
						12p BAC RPCI11-75L1 (Roswell Park
462C8			AC007068	4.00E-72	2	Cancer Institute BAC
	174303	174379	AC007068			
						BAC clone RP11-332E22 from 7q35-q36,
478C7	27207	27305	AC007097	4.00E-43	1	complete sequence
40440					_	chromosome 19, cosmid R34383, complete
181A8	4600	4798	AC007201	5.00E-59	2	sequence Length
45050	444050	440400	4.0007000	4 005 454		chromosome 14 clone RP11-79J20
159F6	111852	112188	AC007263	1.00E-151	1	containing gene for chec
162510	04027	05202	A C 0 0 7 0 0 0	1.00= 400	2	BAC clone RP11-536i18 from 2, complete
163F10	94927	20303	AC007283	1.00=120	۷	sequence Length clone RP11-420C9, complete sequence
124G4	192082	192785	AC007318	0	3	Length = 204230
,2707	102002	102100	1,0001010	•	J	Lengur - 204200

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						BAC clone RP11-310K15 from 2, complete
331A5	117939	118047	AC007383	3.00E-51	1	sequence Length
463C5	101528	101815	AC007444	9.00F_41	1	clone RP11-340F1 from 7p14-15, complete sequence Length
40000	101020	101010	7,0007 444	J.00L-41	ı	12q15 BAC RPCI11-444B24 (Roswell Park
485D5	94681	95267	AC007458	1.00E-152	8	Cancer Institute
*	95517	95826	AC007458			
	95858	96487	AC007458			
	96742	96838	AC007458			
	187608	187732	AC007458			
404D0	05554	00440	40007400	•	•	3q27 BAC RPCI11-246B7 (Roswell Park
181B6	95554	96149	AC007488	U	2	Cancer Institute BA
102E12	12533	12977	AC007540	4 00E 03	1	12q24.1 BAC RPCI11-128P10 (Roswell Park Cancer Institut
102112	12000	12311	AC007340	4.001-33	'	clone RP11-394E1, complete sequence
471C6	9877	10401	AC007561	1.00E-160	1	Length = 106093
						clone RP11-9B17, complete sequence
471C1	27629	27769	AC007676	1.00E-27	1	Length = 152138
						BAC clone RP11-499D5 from 7p11.2-q11.2,
40D4	120766	121349	AC007882	0	1	complete sequen
						BAC clone RP11-531C11 from 2, complete
166C10	90374	90790	AC007899	0	1	sequence Length
100 4 7	44000	44070				chromosome 18, clone RP11-520K18,
492A7	11200	11376	AC007911	7.00E-57	1	complete sequence Len
459B3	65768	66232	AC008009	0	2	3q26.2-27 BAC RPCI11-436A20 (Roswell Park Cancer Instit
40300	03700	00232	AC000009	U	2	12 BAC RP11-493L12 (Roswell Park Cancer
463F10	127622	127783	AC008083	3.00F-85	1	Institute BAC L
	,	,	, .0000000	0.002 00	•	Chromosome 12q13-62.7-72 BAC RPCI11-
585C4	176255	176348	AC008124	6.00E-38	1	352M15 (Roswell Par
						BAC clone RP11-427F22 from 2, complete
468E6	134033	134685	AC008279	0	2	sequence Length
				_		chromosome 5 clone CTC-278H1, complete
112E9		37926	AC008408	0	4	sequence Length
	37996	38360	AC008408			
145C5	121966	122404	AC008592	1.00E 141	0	chromosome 5 clone CTC-576H9, complete
14000			AC008592	1.000-141	0	sequence Length
	101100	101002	710000002			chromosome 19 clone CTB-14D10, complete
458D8	82521	83080	AC008623	0	1	sequence Length
				•	•	chromosome 5 clone CTB-95B16, complete
584G2	44371	44929	AC008723	0	2	sequence Length
						chromosome 19 clone CTD-2616J11,
144F7	73662	74295	AC008750	2.00E-54	2	complete sequence Leng
44000	00474	00075	40000700		_	chromosome 19 clone CTD-3128G10,
149G2	99171	99875	AC008760	1.00E-121	6	complete sequence Leng
194H6	52930	53350	AC008795	E 00E 00	2	chromosome 5 clone CTD-2052F19,
107110	57088		AC008795 AC008795	J.UUL.=08	_	complete sequence Lengt
	5,000	31200	, 10000130			chromosome 5 clone CTD-2185A1, complete
117H9	101321	102169	AC008860	0	11	sequence Length
			AC008860	-	- ·	

Table 3B: Identified Genomic Regions that code for novel human mRNA's

	103113	103402	AC008860			
						chromosome 19 clone LLNLF-172E10,
155D6	34277	34517	AC008982	1.00E-103	1	complete sequence Len
						chromosome 19 clone LLNLF-198H7,
458E4	33802	34039	AC008985	8.00E-77	1	complete sequence Leng
					_	chromosome 16 clone RP11-31O11,
176A6	170428	170746	AC009073	1.00E-138	1	complete sequence Lengt
4.4600	44000	44000	A C000000	4.005.00	4	chromosome 16 clone RP11-368N21,
146D8	11633	11699	AC009086	1.00E-28	1	complete sequence Leng
458B8	176406	176888	AC009120	0	1	chromosome 16 clone RP11-484E3, complete sequence Lengt
40000	170400	170000	AC009 120	U	•	BAC clone RP11-26B22 from 2, complete
73C4	136885	137479	AC009299	0	1	sequence Length =
					•	clone RP11-425F6, complete sequence
54F4	202039	202564	AC009312	0	1	Length = 204834
						BAC clone RP11-440P12 from 2, complete
480E2	143559	143986	AC009313	0	1	sequence Length
						BAC clone RP11-28H22 from 2, complete
519E9	13492	13848	AC009404	1.00E-178	1	sequence Length =
1005.10						chromosome 11, clone RP11-87N22,
129D12	81260	81769	AC009466	1.00E-151	1	complete sequence Leng
27540	404500	405457	10000477	0	•	BAC clone RP11-209H16 from 2, complete
37E10	124522	125457	AC009477	U	3	sequence Length
129A12	6750	7331	AC009506	0	1	clone RP11-542H1, complete sequence
123/12	0730	7551	AC009300	U	1	Length = 191764 chromosome 3, clone RP11-48B3, complete
515H10	5494	5990	AC009812	3 00F-69	4	sequence Length
	74019	74540	AC009812	0.002	,	ooquomoo zongan
						clone RP11-107E5, complete sequence
165D1	53879	54343	AC009951	0	1	Length = 159791
						BAC clone RP11-111K18 from 7p11.2-p2,
53D8	30308	30860	AC010132	1.00E-159	1	complete sequence
407544	10000				_	chromosome 5 clone CTD-2315M5,
487F11	16839	17267	AC010480	1.00E-130	3	complete sequence Length
461G10	0000	0227	A C 0 4 0 6 7 7	4.005.460	4	BAC clone CTD-2304L4 from 7, complete
401010	0900	9327	AC010677	1.00E-163	1	sequence Length = chromosome 10, clone RP11-190J1,
115H2	19073	19679	AC010789	4 00F_97	2	complete sequence Leng
110112		126428	AC010789	4.00L-31	2	complete sequence Leng
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			BAC clone RP11-218F6 from Y, complete
168A9	78976	79540	AC010877	0	2	sequence Length =
						clone RP11-230E20, complete sequence
468G6	98034	98744	AC010878	1.00E-107	3	Length = 154115
						BAC clone RP11-44N22 from 2, complete
477B12	167367	167895	AC010913	0	1	sequence Length =
400=4						clone RP11-498O5, complete sequence
192E1	10683	11328	AC011245	U	1	Length = 56793
46700	4524	4000	A C 0 4 4 4 6 0	1.005 470	4	chromosome 19 clone CTC-435M10,
467C2	4521	4890	ACU11402	1.00E-178	ı	complete sequence Lengt chromosome 19 clone CTB-33G10, complete
189F3	12090	12208	AC011495	8 00F-60	1	sequence Length
. 551 6	000		, 10011700	J.55L-00	•	acquence cengui

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						chromosome 19 clone CTB-60E11, complete
144C9	38166	38421	AC011500	1.00E-62	1	sequence Length
162E8	41387	41499	AC012005	8.00E-30	1	clone RP11-533E23, complete sequence Length = 189557
						chromosome 15 clone RP11-562A8 map
158G6	70285	70462	AC012170	3.00E-95	1	15q21.1, complete se
400044	40407	10011		0.005.00	_	BAC clone RP11-105B9 from 7, complete
189B11	19127 23196	19241 23655	AC013436 AC013436	8.00E-29	3	sequence Length =
	23190	23033	AC013430			chromosome 17, clone RP11-55A13,
98C9	178883	179326	AC015651	1.00E-107	1	complete sequence Leng
						chromosome 18, clone RP11-405M12,
69F8	57839	58168	AC015819	0	1	complete sequence Len
47F9	3198	3826	AC016395	0	1	chromosome 10 clone RP11-153K11,
4/13	3130	3020	AC0 10393	U	1	complete sequence Leng chromosome 5 clone CTD-2345N17,
480E3	39766	40155	AC016623	2.00E-35	1	complete sequence Lengt
						chromosome 5 clone RP11-34J15, complete
196G12	59552	60523	AC016637	0	2	sequence Length
E10A0	64044	64422	A C O 4 C 7 E 4	0	4	BAC clone RP11-504O20 from 2, complete
518A8	61011	61433	AC016751	U	1	sequence Length clone RP11-68E19, complete sequence
36C11	54765	54868	AC017002	2.00E-30	2	Length = 205662
						clone RP11-78C11, complete sequence
489H9	108513	109049	AC017003	0	2	Length = 118385
479H6	140657	142020	AC047000	0.005.45	4	BAC clone RP11-185K15 from Y, complete
4/900	142007	142930	AC017020	6.UUE-40	1	sequence Length clone RP11-556A11, complete sequence
483D10	99413	99875	AC017101	0	1	Length = 195635
						chromosome 10 clone RP11-77G23,
112B4	87464			1.00E-129	2	complete sequence Lengt
	11/653	117940	AC018511			alone DD14 445A4 complete convence
171F2	157933	158203	AC018673	2 00F-96	1	clone RP11-145A4, complete sequence Length = 187099
					•	clone RP11-417F21, complete sequence
166H12	116351	116665	AC018682	1.00E-177	1	Length = 181405
40000	440504	444044	A CO40004	^	•	chromosome 15 clone RP11-50C13 map
123F8	140561	141314	AC018904	U	3	15q21.3, complete se BAC clone RP11-401N16 from 2, complete
116C9	191414	191866	AC019206	0	1	sequence Length
						BAC clone RP11-198M19 from 2, complete
472E9	148765	149172	AC020550	1.00E-140	1	sequence Length
400D4	00004	07454	4.0000505	•	•	BAC clone RP11-358M9 from 2, complete
129D1	66284	6/154	AC020595	U	3	sequence Length = 12q BAC RP11-76E16 (Roswell Park Cancer
465H10	82476	83166	AC020629	0	2	Institute BAC L
						clone RP11-449G13, complete sequence
182E2	83346		AC020716	1.00E-33	2	Length = 171805
	84373	84451	AC020716			ahramasama 2 alama BB44 4051140 C-
37G8	35257	35957	AC020750	0	1	chromosome 3 clone RP11-105H19 map 3p, complete sequenc
3.00	00201	55557	, 10020100	J	1	complete sequenc

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						chromosome 3 clone RP11-481H17 map 3p,
125F8	43854	44125	AC022007	1.00E-149	1	complete sequenc
						chromosome 19 clone CTD-3093B17,
523A8	2991	3475	AC022149	0	1	complete sequence Leng
				•		chromosome 7 clone RP11-29B3, complete
459E7	90726	91104	AC022173	0	1	sequence Length
40000	E2004	E0704	A C0000000	C 00E 00	4	3 BAC RP11-71H17 (Roswell Park Cancer
469F8	53281	53724	AC022336	0.00⊏-92	1	Institute BAC Lib chromosome 3 clone RP11-266J6 map 3p,
463H5	75118	75256	AC022382	5.00F-72	1	complete sequence
400110	70110	10200	710022002	0.002 72	•	3 BAC CTB-187G23 (CalTech BAC Library
466G7	20276	20522	AC023058	2.00E-53	2	B) complete seque
	21327	21875	AC023058			, , ,
						chromosome 5 clone CTD-2179L22,
470B8	127894	128301	AC024568	1.00E-169	1	complete sequence Lengt
	0.4.7.70	04040		4 005 445		12 BAC RP11-485K18 (Roswell Park Cancer
473E11	21558	21818	AC024939	1.00E-117	1	institute BAC L
470E1	150100	150573	AC025165	1.00= 171	1	12 BAC RP11-571M6 (Roswell Park Cancer Institute BAC Li
470L1	130190	150575	AC023103	1.006-171	•	12 BAC RP11-499A10 (Roswell Park Cancer
480B5	107499	107766	AC025253	9.00E-66	1	Institute BAC L
,000				0.002 00	•	12 BAC RP11-56G10 (Roswell Park Cancer
583B5	27783	27958	AC025257	1.00E-44	1	Institute BAC Li
						chromosome 5 clone CTD-2183D23,
37H8	86118	86418	AC026425	1.00E-148	1	complete sequence Lengt
						chromosome 5 clone CTD-2276B5, complete
166A9	119110	119797	AC026794	0	1	sequence Length
40204	405607	105704	A C O O A O A O	E 00E 40	2	chromosome 5 clone CTD-2335C11,
103D4	100097	105/94	AC034240	5.00E-40	2	complete sequence Lengt clone RP11-359J14, complete sequence
117H4	49581	49962	AC053513	0	1	Length = 155958
	10001	10002	7.0000010	•	•	chromosome 3 clone RP11-109J15 map 3p,
459B8	64143	64709	AC066580	0	1	complete sequenc
						clone RP11-629B4, complete sequence
174D1	41807	42055	AC067945	2.00E-69	2	Length = 162471
	115078	115365	AC067945			
47055	405040	405000	A COCO 400	7.005.07	4	BAC clone RP11-809C23 from 2, complete
178F5	105046	105223	AC068492	7.00E-37	1	sequence Length chromosome 19, cosmid R26574 (LLNL-
66E6	2116	2578	AC068499	1.00E-135	2	R_225F10), complete
0020	2110	2010	710000100	1.001 700	-	12 BAC RP11-1049A21 (Roswell Park
178C12	15618	15959	AC068789	0	1	Cancer Institute BAC
						chromosome 3 clone RP11-56K23, complete
145F12		110647	AC069298	3.00E-89	4	sequence Length
			AC069298			
	141211	141790	AC069298			DAG 1
519F3	150762	160355	AC069304	0	1	BAC clone RP11-632K21 from 7, complete
J 13F3	103/03	100300	AC003304	U	ı	sequence Length BAC clone RP11-775L16 from 7, complete
464B11	52608	53051	AC073347	0	1	sequence Length
• •		 •		-	-	12q BAC RP11-415D21 (Roswell Park
469E12	85540	85930	AC073917	0	2	Cancer Institute BAC

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						chromosome 7 clone RP11-148L5, complete
118C12	141407 1	41495	AC083868	6.00E-70	3	sequence Length
	142293 1	42607	AC083868			•
						chromosome 22q11 clone cos6, complete
168G5	6632 7	7097	AC087065	0	2	sequence Length =
						chromosome 3 clone RP11-220D14 map 3p,
479G12	127024 1	27342	AC090942	1.00E-119	1	complete sequenc
						chromosome 16 clone CTC-510K1, complete
122G1	41957 4	12383	AC091118	0	1	sequence Length
						Chromosome 16 BAC clone CIT987SK-A-
479D7	153992 1	154141	AF001549	6.00E-29	1	270G1, complete sequ
						chromosome 21 clone Pac 255P7 map 21q-
461H7	21977 2	22331	AF015262	2.00E-69	1	AML, complete seq
						chromosome 21 clone cosmid clone D68F9
463E9	27006 2	27615	AF015725	0	1	map 21q22.2, com
						chromosome 21 clone cosmid D13C2 map
480D9	15848 1	16252	AF027207	1.00E-123	1	21q22.2, complete
						chromosome 8 map 8p23-p22 clones CTB-
465E9	296143 2	296800	AF131216	0	1	164D9, CTB-169o5,
						chromosome 8q21.2 BAC 189m5, complete
469D2	23811 2	24045	AF161800	2.00E-78	1	sequence Length =
						complete genomic sequence between
37G7	200214 2	200755	AJ003147	0	2	D16S3070 and D16S3275
	201078 2	201309	AJ003147			
						DNA sequence from PAC 487J7 on
459A1	36969 3	37402	AL008730	8.00E-82	2	chromosome 6q21-22.1. Co
						DNA sequence from clone RP1-163G9 on
480C8	37929 3	38457	AL008733	0	1	chromosome 1p36.2-
						DNA sequence from clone RP1-257I20 on
462D9	36712 3	37037	AL021878	0	2	chromosome 22q13.
	40603 4	10772	AL021878			
						DNA sequence from clone RP5-1042K10 on
182H1	30506 3	30760	AL022238	3.00E-96	2	chromosome 22q13
						DNA sequence from clone 328E19 on
166F6	75035 7	75547	AL022240	0	1	chromosome 1q12-21.2
						DNA sequence from clone CTA-407F11 on
165C12	179455 1	179766	AL022329	1.00E-175	1	chromosome 22q12
						DNA sequence from clone CTA-440B3 on
465A12	26329 2	26834	AL022331	0	1	chromosome 22q12.1
						DNA sequence from clone RP3-511B24 on
524D1	70719 7	70891	AL022394	2.00E-87	1	chromosome 20q11.
						DNA sequence from PAC 380E11 on
53E3	129077 1	129538	AL022396	0	1	chromosome 6p22.3-p24.
						DNA sequence from clone RP3-341E18 on
126D1	69809 7	70220	AL031178	0	1	chromosome 6p11.2
						DNA sequence from clone 1177E19 on
466A9	103757 1	104346	AL031277	U	1	chromosome 1p36.12-3
.=== . :	4486		41.00:			DNA sequence from clone RP4-671O14 on
472E11	41594 4	41778	AL031595	9.00E-97	1	chromosome 22q13.
100=0	700:0 -	7000	A.L. 0.0 / 0.T.C	•		DNA sequence from clone RP4-691N24 on
462E8	72042 7	/2629	AL031672	0	1	chromosome 20p11.

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						DNA sequence from clone LA16-315G5 on
478C2	29633	29708	AL031708	9.00E-28	1	chromosome 16, co
						DNA sequence from clone RP1-159A19 on
53B1	30963	31311	AL031729	1.00E-163	1	chromosome 1p36.1
						DNA sequence from clone RP5-1013A10 on
178B2	38674	38800	AL033383	3.00E-27	1	chromosome 6p24.
						DNA sequence from clone 27K12 on
104A7	40604	41062	AL033397	0	1	chromosome 6p11.2-12.3
						DNA sequence from clone RP3-340B19 on
190F11	77693	78285	AL033519	0	1	chromosome 6p21.2
						DNA sequence from clone RP1-118B18 on
121A11	15252	15679	AL034344	9.00E-52	1	chromosome 6p24.1
						chromosome Xq28, cosmid clones 7H3,
173B5	102500	102752	AL034384	7.00E-58	1	14D7, C1230, 11E7,
						DNA sequence from clone 159A1 on
121A12	34566	34684	AL034397	6.00E-47	1	chromosome Xq12-13.3.
						DNA sequence from clone RP5-1049G16 on
104B10	73639	74045	AL034418	1.00E-176	1	chromosome 20q12
						DNA sequence from clone RP5-914P20 on
471F1	37083	37364	AL034553	1.00E-150	1	chromosome 20q13.
						DNA sequence from clone 21O18 on
463H8	97563	97753	AL035405	1.00E-102	1	chromosome 1p35.1-36.2
						DNA sequence from clone RP4-657E11 on
472E6	20949	21271	AL035413	1.00E-155	1	chromosome 1p35.1
				_		DNA sequence from clone RP5-1018E9 on
121F1	65029	65503	AL035455	0	1	chromosome 20q13.
					á	DNA sequence from clone RP1-111C20 on
465B1	37269	37445	AL035530	2.00E-47	1	chromosome 6q25.3
				4 005 400		DNA sequence from clone RP4-599F21 on
482C9	64837	65129	AL035662	1.00E-163	1	chromosome 20q12-
400D0	20000	20070	A1 040745	4.00= 97	4	DNA sequence from clone RP4-646P11 on
166B9	39808	39976	AL049715	1.00E-87	1	chromosome 1, com DNA sequence from clone RP4-622L5 on
591D6	65470	65892	AL049795	0	1	chromosome 1p34.2-
29100	03470	00092	ALU49/95	U	1	chromosome 14 DNA sequence *** IN
72G1	82160	82440	AL049829	1.00E-148	1	PROGRESS *** BAC R-12
1201	02 100	02440	AE043023	1.001-140	•	DNA sequence from clone RP1-3E1 on
112H3	2111	2535	AL050330	0	2	chromosome 6p21.23-2
112110	2,11	2000	/\Loodood	J		DNA sequence from clone RP4-744I24 on
479G5	18853	19244	AI 096712	1.00E-125	1	chromosome 6p12.1
	,0000	.02	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•	DNA sequence from clone 1000E10 on
464C10	80145	80583	AL096773	4.00E-85	1	chromosome 1p12-13.3
						genomic region containing hypervariable
123D11	34999	35510	AL096808	1.00E-166	1	minisatellites
						chromosome 21 Cosmid LLNLc116L1110,
129F10	1148	2507	AL109616	0	95	complete sequence L
						DNA sequence from clone RP3-340H11 on
469B8	13155	13527	AL109755	0	1	chromosome 6q24.1
						chromosome 14 DNA sequence *** IN
105F4	57995	58306	AL109758	5.00E-98	1	PROGRESS *** BAC R-87
						chromosome 14 DNA sequence BAC R-
465H5	136248	136356	AL109847	7.00E-29	1	603H7 of library RPCI-

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						DNA sequence from clone RP11-27F12 on
60G8	84706	84959	AL109914	1.00E-135	1	chromosome 6p22.3
						DNA sequence from clone RP1-152L7 on
102A8	169378	169473	AL109918	2.00E-34	1	chromosome 6p11.2-
						chromosome 14 DNA sequence *** IN
471D6	63862	64021	AL117186	4.00E-80	1	PROGRESS *** BAC R-29
			** 445050			chromosome 14 DNA sequence BAC R-
176E10	145991	146554	AL117258	3.00E-63	1	244E17 of library RPCI
40057	2075	2250	AL 447050	4 000 453	4	DNA sequence from clone RP5-876B10 on chromosome 1q42.1
480E7	2975	3356	AL11/352	1.00E-153	1	DNA sequence from clone RP1-306F2 on
110D3	48631	48886	AL121573	3 00E-65	2	chromosome 6p12.1-
11003	40031	40000	AL121373	3.00L-03	2	BAC sequence from the SPG4 candidate
40B2	106788	107123	AL121657	2.00E-42	1	region at 2p21-2p2
4002	100700	107 120	AL 12 1007	2.001 72	•	DNA sequence from clone RP11-128M1 on
52B9	56473	56690	AL121899	1.00E-104	2	chromosome 20. Co
						DNA sequence from clone RP11-404F10 on
485A6	5475	7084	AL121985	1.00E-138	7	chromosome 1q23.
	15867	16574	AL121985			·
	17098	17504	AL121985			
	24037	24292	AL121985			
						DNA sequence from clone RP5-1103B4 on
40E4	54176	54528	AL121998	1.00E-179	1	chromosome 1 Cont
						chromosome 14 DNA sequence BAC R-
118H12	21398	21744	AL132838	0	1	85G20 of library RPCI-
				_		chromosome 14 DNA sequence BAC R-
599F11	153822	154345	AL133153	0	1	895M11 of library RPCI
47000	445704	446445	A1 400040	4.005.400	4	BAC sequence from the SPG4 candidate
478G8	115784	6110115	AL133243	1.000-120	ı	region at 2p21-2p2 DNA sequence from clone RP1-68D18 on
107H8	110760	120720	AL133330	0	22	chromosome 11p12-1
107110		121863		U	~~	Chlomosome 11p12 1
			AL133330			
			AL133330			
		147016	AL1333330			
		159639	AL133330			
	133202	. 139039	AL 133330			DNA sequence from clone RP11-204H22 on
471E7	127891	128013	AL133340	6 00F-46	1	chromosome 20. C
	,_,	,200,0			·	DNA sequence from clone CITF22-45C1 on
118H5	3922	4021	AL133392	1.00E-38	2	chromosome 22 Co
	4557	5184	AL133392			
						DNA sequence from clone RP11-131A5 on
40A3	96202	96785	AL133412	0	3	chromosome 9q22.1
	97177	97568	AL133412			
						DNA sequence from clone RP11-124N14 on
482A5		29037	AL133415	3.00E-34	4	chromosome 10. C
	51083	51210				
	-		A. 40=====	4.00= 15:		DNA sequence from clone RP3-527F8 on
54G9	54866	55153	AL135783	1.00E-154	1	chromosome Xq25-27
E4E040	70000	70004	A1 405040	4 000 440	2	chromosome 14 DNA sequence BAC C-
515012	72222	12007	AL135818	1.00E-146	2	2547L24 of library Cal

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						DNA sequence from clone RP3-323N1 on
109A9	53171	53447	AL136320	1.00E-137	1	chromosome 10. Con
100/10	00171	00447	7.E100020	1.002 107	•	DNA sequence from clone RP11-120J1 on
476H10	127150	127680	AL137017	0	1	chromosome 9 Cont
						chromosome 14 DNA sequence BAC R-
192C3	122511	122837	AL137100	1.00E-117	1	108M12 of library RPCI
						DNA sequence from clone RP11-173P16 on
55G3	38923	39058	AL137142	7.00E-44	2	chromosome 13q12
	42456	42686	AL137142			
						DNA sequence from clone RP11-210E23 on
466G2	24290	24402	AL137144	9.00E-42	1	chromosome 13q31
						DNA sequence from clone RP5-1182A14 on
140F9	27354	27715	AL137798	8.00E-82	1	chromosome 1 Con
	10.1500	10.4750	41.407000	0.005.00	4	DNA sequence from clone RP1-127C7 on
37A2	134590	134750	AL137800	3.00E-69	1	chromosome 1q25.1-
40000	704	4050	AL 400744	4 005 457	4	DNA sequence from clone RP11-121J7 on
493C2	734	1052	AL138/14	1.00E-157	ı	chromosome 13q32. DNA sequence from clone RP11-11D8 on
468B9	1911	2509	AL138717	0.00= 70	1	chromosome 6 Conta
40009	1911	2509	AL130717	9.00L-70	ı	DNA sequence from clone RP11-48M17 on
194F9	46595	46814	AL138755	6 00F-94	1	chromosome 9p24.1
1041 0	40000	40014	712100100	0.002 01	•	DNA sequence from clone RP11-20H6 on
483D12	80220	80755	AL138776	1.00E-157	1	chromosome 1q25.1-
						chromosome 14 DNA sequence BAC R-
464G9	14032	14659	AL139020	0	1	164H13 of library RPCI
						DNA sequence from clone RP11-393I2 on
59G1	34476	34936	AL139274	0	1	chromosome 6, com
						DNA sequence from clone RP1-92O14 on
129D3	65447		AL139289	1.00E-107	2	chromosome 1p33-34
	66950	67158	AL139289			
						DNA sequence from clone RP11-84N7 on
464C2	55616	56289	AL139328	0	1	chromosome 13. Con
E71140	455040	155010	AL 420220	0	2	DNA sequence from clone RP11-266C7 on
57H10	155342	155810	AL139330	U	2	chromosome 6q25.2 DNA sequence from clone RP11-574A21 on
470G6	44695	44978	Δ1 130300	1.00E-130	1	chromosome Xq21.
47000	44033	77310	AL100000	1.00L-100	•	DNA sequence from clone RP11-247M1 on
476F5	42969	43159	AL139801	5.00E-98	1	chromosome 13, co
., 0, 0	.2000	.0.00	,	0,002	·	DNA sequence from clone RP11-553K8 on
107G11	139776	140378	AL157402	0	2	chromosome 1q31.2
						DNA sequence from clone RP11-481A22 on
172B12	136072	136492	AL157768	1.00E-155	1	chromosome 13 Co
						DNA sequence from clone RP11-68J15 on
149A11	438	663	AL157776	1.00E-123	1	chromosome 6, com
						chromosome 14 DNA sequence BAC R-
165E7	66361	67034	AL157789	0	1	880O3 of library RPCI-
40000	E400=	50050	A1 457000	4 005 450		DNA sequence from clone RP11-544A12 on
192B3	51907	52253	AL157938	1.00E-176	T	chromosome 9q34.
E0.44	57 5 2	5886	VI 1E0436	1.00E-59	1	DNA sequence from clone RP1-44N23 on chromosome 6 Conta
50A11	5753	0000	AL158136	1.00=-39	ŧ	DNA sequence from clone RP11-498N2 on
472F9	84638	85232	AL158159	0	1	chromosome 9, com
11210	3 7000	00202	, .L. 100 100	•	•	S. I. Still Colling of Collin

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						DNA
		400=00		0.005.05		DNA sequence from clone RP11-461N23 on
462G12	132520	132708	AL160155	2.00E-95	1	chromosome 13, c
4.471.10	4070	0540	A1 400000	0	4	chromosome 14 DNA sequence BAC C-
117H6	1976	2518	AL160233	U	1	2373J19 of library Cal
40000	007	700	A1 4C0 400	4.005.404	2	DNA sequence from clone RP4-781K5 on
460B9	207	739		1.00E-104	2	chromosome 1q42.1-
	2023	2537	AL160408			DNA sequence from clone RP11-287A8 on
407540	0.404	0000	A1 404007	4 005 400	4	chromosome 9, com
467F10	8461	8829	AL161627	1.00E-122	•	DNA sequence from clone RP11-297B17 on
400 440	04000	00040	AL 464704	1.00E-175	1	chromosome 9, co
469A10	81966	82313	AL161781	1.00=175	1	chromosome 14 DNA sequence *** IN
E00! 10	222224	222670	AL162151	0	1	PROGRESS *** BAC C-31
598H2	222231	222679	AL 102 151	U	1	DNA sequence from clone RP11-2J18 on
ACCCE	447064	147687	AL162578	0	1	chromosome 6, comp
466C5	147004	14/00/	AL 102576	U	•	chromosome 21 segment HS21C103 Length
46700	216402	216544	AL163303	3 UUE 38	1	= 340000
467C9	210403	210044	AL 100000	3.00E-30	•	chromosome 14 DNA sequence BAC R-
462H9	63385	63502	AL163853	6.00E-59	1	248B10 of library RPCI
464A10	63421	63807	AL353744		1	clone RP13-100-A9 on chromosome X
404/10	05721	03007	ALOGOTAT	2.001 00	•	DNA sequence from clone RP13-216E22 on
99E10	6789	7153	AL353804	0	1	chromosome Xq13.
33E10	0700	7 100	/ (E00000)	Ü	•	DNA sequence from clone RP11-86F4 on
477D10	49708	50171	AL354716	4 00F-96	1	chromosome 6, comp
477010	45100	00171	712001710		•	DNA sequence from clone RP11-44I7 on
518F10	3379	3602	AL354891	2.00E-94	1	chromosome 13, com
010110	00.0	0002	7 1200 100 1		•	DNA sequence from clone RP11-509J21 on
464D8	122494	122702	AL354977	1.00E-87	2	chromosome 9, co
						DNA sequence from clone RP4-595C2 on
459H6	109525	109864	AL355520	1.00E-179	1	chromosome 1q24.1-
						DNA sequence from clone RP11-33E24 on
196C6	21603	21783	AL355615	7.00E-96	2	chromosome 6, com
						DNA sequence from clone RP1-9E2 on
110B8	11907	12312	AL355797	1.00E-145	1	chromosome 6, comple
						DNA sequence from clone RP11-47K11 on
180B2	142517	142726	AL355871	1.00E-72	1	chromosome 1, com
						DNA sequence from clone RP11-367J7 on
464H5	50106	50463	AL356276	0	2	chromosome 1. Con
						DNA sequence from clone RP1-63P18 on
105H4		32236	AL356379	2.00E-27	2	chromosome 1. Cont
	32440	32804	AL356379			
					4	DNA sequence from clone RP11-216B9 on
113H1	22550	22837	AL356481	1.00E-160	1	chromosome 9, com
						DNA sequence from clone RP11-353C18 on
170F7	46442	46855	AL357374	0	1	chromosome 20 Co
50000	440440	440404	A1.000400	4 000 407		DNA sequence from clone RP11-549L6 on
522D3		113424		1.00E-127		chromosome 10, co clone RP11-60E24 on chromosome 6
36E9	38757	38346	AL390196	4.00E-47	y	
E07E0	15704	16060	A1 440400	1.00= 470	2	DNA sequence from clone RP11-365P13 on chromosome 13, c
587E3	15704	16062	ML442128	1.00E-173	4	DNA sequence from clone RP11-358L16 on
46000	E2770	522 <i>44</i>	AL445201	1.00E-123	- 1	chromosome 10, c
468E8	52779	53344	ML4402UT	1.00=123		chromosome to, c

Table 3B: Identified Genomic Regions that code for novel human mRNA's

39G11	106047	106169	AL445687	2.00E-26	1	clone RP11-567B20 on chromosome 1 Novel human gene mapping to chomosome
101F1	1538 1676	1656 2096	AL449244 AL449244	5.00E-44	2	22 Length = 2315
						DNA sequence from clone RP11-136K14 on
466D1	56761	56929	AL450344	5.00E-85	1	chromosome 6 Con
.005.		•••				chromosome X sequence from 6 PACs 1
142E9	116227	116568	AL590763	0	8	BAC and 1 cosmid, r
14263		117358	AL590763	Ü	•	Di to dila i occima,
			AL590763			
	154792	155165	AL390763			genomic DNA, chromosome 21q22.3,
45050	00000	00000	A D000474	2.005.27	4	clone:B2308H15 Length
459E9	26826	26890	AP000471	2.00E-21	1	
						genomic DNA, chromosome 8p11.2,
472C1	95646	96035	AP000501	1.00E-101	1	clone:91h23 to 9-41 Len
						genomic DNA, chromosome 22q11.2, Cat
464A7	7930	8285	AP000526	1.00E-178	1	Eye Syndrome regio
						genomic DNA, chromosome 22q11.2,
165E11	643	1244	AP000554	1.00E-147	2	BCRL2 region, clone:KB
						genomic DNA, chromosome 22q11.2,
72D8	27091	27486	AP000555	0	1	BCRL2 region, clone:KB
						genomic DNA, chromosome 21q22.2,
470B4	15634	15703	AP001429	5.00E-28	1	clone:T1212, LB7T-ERG
7,007	10001	10700				genomic DNA, chromosome 8q23, clone:
59E12	59103	59520	AP001574	1.00E-144	2	KB1991G8 Length =
J3L 12	60671	61189	AP001574	1.002 111	_	112 100 100 mongun
	00071	01103	A 001074			genomic DNA, chromosome 21q, section
120CE	212261	313931	AP001693	1 00⊑_31	27	37/105 Length = 34
138G5					21	31/100 Lengur - 0-1
		315967	AP001693			
		319564	AP001693			
		320293	AP001693			
		321212	AP001693			
	328757	329184	AP001693			o market
						genomic DNA, chromosome 21q, section
158G11	107888	108375	AP001721	0	1	65/105 Length = 34
						genomic DNA, chromosome 21q, section
462F9	330129	330645	AP001728	1.00E-133	. 1	72/105 Length = 34
						genomic DNA, chromosome 8q23, clone:
479A12	74529	74902	AP002907	1.00E-141	1	KB431C1 Length = 9
						genomic DNA, chromosome 8q23, clone:
470B2	123506	123689	AP003117	4.00E-72	2	KB1958F4 Length =
						genomic DNA, chromosome 8q23, clone:
46D1	79174	79657	AP003471	1.00E-164	2	KB1552D7 Length =
	83490		AP003471			-
	00.00	0.000				chromosome 1 working draft sequence
496C4	745790	746197	NT 00440	16.0	1	segment
70007	1-0100	7 1 10 10 1	007.10		•	chromosome 1 working draft sequence
468E10	2015	2118	NT 00445	22.00E-32	2	segment
- 00∟10	2010	£110	111_00770	2.000.02	-	chromosome 1 working draft sequence
470 <u>1</u> 40	30400	7 394676	NT_00448	20.0	1	segment
4/3012	35400	01010	111_00440	000	,	chromosome 1 working draft sequence
47000	260E 41	2 260642	NT OOMEO	053 UUE 13	1	segment
472G2	∠0004.	3 268642	N 1_00402	253.00E-42	ı	ocyment

Table 3B: Identified Genomic Regions that code for novel human mRNA's

					chromosome 1 working draft sequence
477D9	231154	231469	NT_004531 1.00E-177	1	segment
					chromosome 1 working draft sequence
460F7	786014	786511	NT_0046230	1	segment
					chromosome 1 working draft sequence
171F11	1E+06	1036701	NT_004658 1.00E-26	1	segment
					chromosome 1 working draft sequence
184H1			NT_0046980	4	segment
			NT_004698		
	2E+06	1832854	NT_004698		4 15 10 6 10 10 10
			NT 0047054 005 00		chromosome 1 working draft sequence
514H9	289858	289941	NT_0047051.00E-29	1	segment
40004	475450	475045	NT 0047050	1	chromosome 1 working draft sequence
463G1	1/5158	175615	NT_0047250	1	segment chromosome 1 working draft sequence
46600	E 42567	544240	NT_0047530	1	segment
466C9	545567	344240	N1_0047550	•	chromosome 1 working draft sequence
496D7	2E+06	1515540	NT_0047540	1	segment
43007	2L100	1010040	141_00+10+0	•	chromosome 1 working draft sequence
583G8	733247	733667	NT 0047711.00E-128	1	segment
00000	1002	, 0000.	00	•	chromosome 1 working draft sequence
124D2	107397	107739	NT_0049161.00E-178	1	segment
					chromosome 2 working draft sequence
479A8	285973	286345	NT 0051301.00E-165	1	segment
			_		chromosome 2 working draft sequence
165F7	1E+06	1435537	NT_005151 1.00E-125	1	segment
					chromosome 2 working draft sequence
465F7	773772	774502	NT_0051660	2	segment
					chromosome 2 working draft sequence
73A3		81448	NT_0051820	2	segment
	81502	81742	NT_005182		-b
40407	05.00	4050000	NT 0050044 00F 400	4	chromosome 2 working draft sequence
124G7	2E+06	1859389	NT_005204 1.00E-180	I	segment chromosome 2 working draft sequence
47006	EE0674	553005	NT 005229 1.00E-141	5	segment
479G6			NT 005229 1.00L-141	J	segment
	12.00	1122000	141_000225		chromosome 2 working draft sequence
194C2	481052	481444	NT_005230 1.00E-101	1	segment
10.01					chromosome 2 working draft sequence
159F11	795978	796616	NT_0052750	1	segment
			_		chromosome 2 working draft sequence
472B1	1013	1410	NT_0053110	1	segment
					chromosome 2 working draft sequence
470G7	375182	375594	NT_0053990	1	segment
					chromosome 2 working draft sequence
100C3		804094	-	2	segment
	970577	971108	NT_005420		
	o=	400011-	NT 005 100 0		chromosome 2 working draft sequence
98H4	2 ± +06	1829143	NT_0054230	1	segment
105 440	45.00	4444000	NT 0054254 00E 467	2	chromosome 2 working draft sequence
105A10	1=+06	1144092	NT_0054351.00E-167	2	segment

Table 3B: Identified Genomic Regions that code for novel human mRNA's

					chromosome 2 working draft sequence
465C3	13444	13890	NT_0054710	1	segment
					chromosome 2 working draft sequence
112E5	3169	3793	NT_0054850	1	segment
					chromosome 3 working draft sequence
111H6	146878	146999	NT_005499 2.00E-55	1	segment
					chromosome 3 working draft sequence
467G7	198880	199329	NT_0055050	1	segment
			_		chromosome 3 working draft sequence
182F12	140059	140193	NT_0055161.00E-144	3	segment
	140754	141039	NT_005516		
					chromosome 3 working draft sequence
112B5	137689	138300	NT_0055290	4	segment
			_		chromosome 3 working draft sequence
64B3	55213	55793	NT_0055350	1	segment
			_		chromosome 3 working draft sequence
465E12	866776	867258	NT 0057690	2	segment
	1E+06	1021292	NT_005769		-
			_		chromosome 3 working draft sequence
470D5	1E+06	1395364	NT_005795 1.00E-147	3	segment
	2E+06	1749621	NT_005795		
			_		chromosome 3 working draft sequence
479G2	294179	294607	NT_0059100	1	segment
			_		chromosome 3 working draft sequence
112E1	392884	393490	NT_0059730	1	segment
			_		chromosome 3 working draft sequence
466H5	339511	340153	NT_0059850	2	segment
			_		chromosome 3 working draft sequence
189A8	22414	22869	NT_0059911.00E-110	1	segment
					chromosome 4 working draft sequence
45H8	1E+06	1012040	NT_006098 1.00E-113	1 .	segment
					chromosome 4 working draft sequence
104D1	282259	282753	NT_0061020	2	segment
					chromosome 4 working draft sequence
459G8	367701	368248	NT_0061110	1	segment
					chromosome 4 working draft sequence
480E11	486179	486804	NT_0061140	1	segment
					chromosome 4 working draft sequence
115G2	4E+06	3514655	NT_006204 1.00E-177	1	segment
					chromosome 4 working draft sequence
479G3	71744	72258	NT_0062580	1	segment
					chromosome 4 working draft sequence
461H11	378023	378482	NT_0063970	1	segment
					chromosome 4 working draft sequence
462F11	80360	81081	NT_0064100	1	segment
					chromosome 5 working draft sequence
463A5	2E+06	1609976	NT_0064891.00E-138	1	segment
				_	chromosome 5 working draft sequence
464C5	190095	190533	NT_0066110	2	segment
			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	•	chromosome 5 working draft sequence
109H9	89260	89769	NT_0069460	3	segment

Table 3B: Identified Genomic Regions that code for novel human mRNA's

					chromosome 5 working draft sequence
137B5	2E+06	1613357	NT 0069511.00E-86	4	segment
137 03	20.00	1010007	111_0000011.002 00	-	chromosome 6 working draft sequence
73H4	992358	992685	NT 0072880	1	segment
			-		chromosome 6 working draft sequence
174H6	431672	432054	NT_0073080	1	segment
					chromosome 7 working draft sequence
124C8	282413	283138	NT_0079510	1	segment
					chromosome 8 working draft sequence
174G11	829762	830370	NT_0079720	1	segment
4741144	640400	642244	NT 0070790 00E 06	1	chromosome 8 working draft sequence
471H11	613132	013314	NT_007978 9.00E-96	1	segment chromosome 8 working draft sequence
471G8	189279	189630	NT_0080121.00E-147	1	segment
47 100	100210	100000		•	chromosome 8 working draft sequence
67C5	287017	287563	NT_0080370	2	segment
			_		chromosome 8 working draft sequence
479H4	90555	90944	NT_008047 1.00E-174	1	segment
				_	chromosome 8 working draft sequence
100D7	64180		NT_008050 1.00E-134	6	segment
	331150	331412	NT_008050		chromosome 8 working draft sequence
45B9	470878	480193	NT 0080601.00E-165	12	segment
4303		490607	NT 008060	l ám	Segment
	.007.00	.0000.			chromosome 8 working draft sequence
169F11	291836	292284	NT_0080810	1	segment
			_		chromosome 8 working draft sequence
468H11		106897	NT_008128 1.00E-121	2	segment
	110374	110691	NT_008128		0
470110	500407	F007F4	NT 0004200	4	chromosome 8 working draft sequence
470H6	520107	520754	NT_0081390	1	segment chromosome 8 working draft sequence
471F9	392744	393279	NT_0081570	1	segment
-17 11 0	002711	0002.0	0007070	•	chromosome 9 working draft sequence
469G8	433686	434156	NT_0083380	1	segment
					chromosome 9 working draft sequence
193E6	1E+06	1228306	NT_0084456.00E-56	1	segment
			NIT 000 10 10	•	chromosome 9 working draft sequence
480D2	90407	90990	NT_0084840	1	segment
58G4	1E±06	1055072	NT 0085131.00E-139	1	chromosome 9 working draft sequence segment
50G4	15-00	1055972	141_0005151.00E-158	1	chromosome 10 working draft sequence
490F10	669853	669980	NT_0086535.00E-39	2	segment
100. 10		744217			
			-		chromosome 10 working draft sequence
463B3	1E+06	1369815	NT_0086820	1	segment
				-	chromosome 10 working draft sequence
116E10			NT_0087690	5	segment
			NT_008769		
			NT_008769 NT_008769		
	ZL+00	2020200	141_000103		

Table 3B: Identified Genomic Regions that code for novel human mRNA's

					chromosome 10 working draft sequence
190A9	806672	807345	NT_0087740	4	segment chromosome 10 working draft sequence
473B7		75524 76181	NT_008783 4.00E-72 NT_008783	2	segment
					chromosome 10 working draft sequence
490A11	484304	484753	NT 0089210	1	segment
					chromosome 11 working draft sequence
585E10	328767	329151	NT_0089780	1	segment
000210	020,0,				chromosome 11 working draft sequence
458B9	955258	955846	NT 0090730	1	segment
.0020	000200				chromosome 11 working draft sequence
471F4	288811	289312	NT_0091070	1	segment
				•	chromosome 11 working draft sequence
478H7	1E+06	1255050	NT_0091841.00E-92	1	segment
470111	12.00	120000	111_0001011.002 02	•	chromosome 11 working draft sequence
109F10	1E+06	1136705	NT_0093141.00E-171	1	segment
1031 10	12.00	1130703	141_003314 1.00E=171	ı	chromosome 11 working draft sequence
117F1	4 01530	402043	NT 0093340	2	segment
1 1 / 1 1			NT_009334	~	Segment
	21.100	1000034	141_003334		chromosome 11 working draft sequence
467B6	3=+06	2011028	NT_0093385.00E-93	2	segment
407 D0	35-00	3011930	N1_0093303.00E-93	_	chromosome 12 working draft sequence
450116	251515	251040	NT 0004290	2	
158H6	301010	351940	NT_0094380	2	segment chromosome 12 working draft sequence
47400	077560	077704	NT 0004504 00E 407	4	
471C2	977560	977791	NT_009452 1.00E-127	1	segment
40000	04.455	04040	NIT 0004500	^	chromosome 12 working draft sequence
182G2	21455		NT_0094580	3	segment
	16/133	167630	NT_009458		shremeseme 12 working droft coguence
400D40	E40000	E40070	NT 0004040		chromosome 12 working draft sequence
462B12	518389	518876	NT_0094640	1	segment
45040	05.00	4000445	NT 000474.0	4	chromosome 12 working draft sequence
458A3	2E+06	1890445	NT_0094710	1	segment
470D7	05.40	40050	NT 0005400		chromosome 12 working draft sequence
470D7	9540	10050	NT_0095400	1	segment
	100001	100500	N= 000040400=405	4	chromosome 12 working draft sequence
525F3	163261	163590	NT_0096161.00E-125	7	segment
				4	chromosome 12 working draft sequence
186E8	2E+06	1502030	NT_0097140	1	segment
				_	chromosome 12 working draft sequence
465G2	2E+06	1/8/964	NT_009759 1.00E-130	2	segment
					chromosome 12 working draft sequence
476C1	321714	322118	NT_009763 1.00E-170	1	segment
				_	chromosome 12 working draft sequence
476G8	2E+06	1609230	NT_0097706.00E-26	1	segment
					chromosome 14 working draft sequence
588E4	1E+06	1136791	NT_010036 1.00E-134	1	segment
					chromosome 14 working draft sequence
479H5	2E+06	2151529	NT_0100620	1	segment
					chromosome 14 working draft sequence
178C10	6E+06	6026576	NT_0101130	1	segment

Table 3B: Identified Genomic Regions that code for novel human mRNA's

					chromosome 15 working draft sequence
192C9	5E+06	5344032	NT_0101940	1	segment
13203	3E.00	0044002	141_0101040	•	chromosome 15 working draft sequence
119F12	3E+06	2680702	NT_010204 1.00E-128	1	segment
					chromosome 15 working draft sequence
67G10	112609	112890	NT_010222 1.00E-132	2	segment
					chromosome 15 working draft sequence
98C1	6684	7232	NT_0102370	1	segment
450040	479602	479052	NT_010253 1.00E-120	1	chromosome 15 working draft sequence segment
458G10	470093	479002	N1_010255 1.00L-120	,	chromosome 15 working draft sequence
459D1	2F+06	2123962	NT_0102890	1	segment
.00					chromosome 15 working draft sequence
110G1	303146	303706	NT_0103080	1	segment
					chromosome 15 working draft sequence
73A4	758542	758734	NT_0103106.00E-42	1	segment
47055	405 407	400000	NT 0400000	4	chromosome 15 working draft sequence
470F5	495497	496038	NT_0103600	1	segment chromosome 16 working draft sequence
469B6	1E+06	1095404	NT_0104191.00E-123	1	segment
40300	12.00	1000404	111_010-110 1:002 120	•	chromosome 16 working draft sequence
479E10	468259	468674	NT_0104320	1	segment
			_		chromosome 16 working draft sequence
100F5	177425	177795	NT_010505 1.00E-169	1	segment
					chromosome 16 working draft sequence
462C5	22345	22727	NT_0105230	1	segment
74110	40EE40	105020	NT 040520 5 00E 77	1	chromosome 16 working draft sequence
71H3	125549	120000	NT_010530 5.00E-77	1	segment chromosome 17 working draft sequence
161E8	1F+06	1067677	NT_010641 1.00E-123	1	segment
10120	12 00	100.0.7	0.00		chromosome 17 working draft sequence
464D9	120516	121079	NT_0106570	1	segment
					chromosome 17 working draft sequence
114G3		386329	NT_010672 1.00E-152	3	segment
		387398	NT_010672		
	424808	425286	NT_010672		chromosome 17 working draft sequence
459E6	262663	263161	NT_0107570	1	segment
400L0	202000	200101	141_010/0/0	•	chromosome 17 working draft sequence
134H3	583781	583868	NT_0107997.00E-32	1	segment
			_		chromosome 17 working draft sequence
467E5	1E+06	1376833	NT_0108080	1	segment
			N	•	chromosome 17 working draft sequence
462A11	436300	43/040	NT_0108160	2	segment
460C2	16000	3 169554	NT_0108330	1	chromosome 17 working draft sequence segment
40002	100990	109004	141_0100550	r	chromosome 18 working draft sequence
467A8	480458	3 480865	NT_0109860	1	segment
			<u> </u>		chromosome 18 working draft sequence
480F8	137902	138430	NT_0110290	1	segment
		_ _			chromosome 19 working draft sequence
470F8	472324	472740	NT_0111410	1	segment

Table 3B: Identified Genomic Regions that code for novel human mRNA's

					chromosome 19 working draft sequence
100E3	445588	115677	NT 0111452.00E-37	2	segment
TOOLS	445757		NT 011145	-	oogmone
	770101	770071	111_011140		chromosome 19 working draft sequence
104A12	169627	169811	NT 0112402.00E-99	1	segment
104/12	100027	100011	141_0112102.002.00	•	chromosome 19 working draft sequence
69B10	358921	359000	NT_0112456.00E-37	1	segment
			· -		chromosome 19 working draft sequence
465C7	243467	243788	NT 0112690	1	segment
			_		chromosome X working draft sequence
464E7	1E+06	1182829	NT_011597 1.00E-107	1	segment
					chromosome X working draft sequence
61A11	67055	67582	NT_0117240	1	segment
					chromosome 2 working draft sequence
140G10	761394	761693	NT_015805 1.00E-138	3	segment
	761753	762151	NT_015805		
				_	chromosome 4 working draft sequence
486C4	503899	504524	NT_0163540	2	segment
			N		chromosome 4 working draft sequence
480G4	260275	260648	NT_0163550	1	segment
40400	070700	077000	NT 0405000	4	chromosome 4 working draft sequence
461G8	2/6/86	277233	NT_0165930	1	segment chromosome 6 working draft sequence
44000	440004	440040	NT 0460697 00E 46	1	segment
118D9	413201	413343	NT_0169687.00E-46	1	chromosome 9 working draft sequence
68C9	シ ピェルの	2402260	NT_017568 1.00E-169	1	segment
0009	26+00	2190200	141_0175001.000=105	•	chromosome 9 working draft sequence
470E5	526603	527148	NT_017582 1.00E-131	2	segment
77020	02000	027 110	111_017002 11002 101	_	chromosome 5 working draft sequence
127H8	248872	249411	NT_0193900	1	segment
			_		chromosome 7 working draft sequence
47G6	204946	205445	NT_0194470	1	segment
			_		chromosome 1 working draft sequence
467E8	210239	210638	NT_021889 1.00E-170	1	segment
					chromosome 1 working draft sequence
480C6	210001	210545	NT_0218970	1	segment
					chromosome 1 working draft sequence
69H11	94439	94993	NT_0219031.00E-104	1	segment
			NT 0040400	4	chromosome 1 working draft sequence
107D7	466791	467280	NT_0219180	1	segment chromosome 1 working draft sequence
474544	440040	440404	NT 0040679 00E 20	1	
471E11	418049	418124	NT_021967 8.00E-32	1	segment chromosome 1 working draft sequence
400044	270004	274400	NT_0221030	1	segment
468F11	370904	37 1400	141_0221030	'	chromosome 2 working draft sequence
464H12	1E±06	1024440	NT_0221711.00E-155	. 1	segment
7071112	12.00	1027770	, III	•	chromosome 2 working draft sequence
462R11	242113	3 242753	NT_0221740	1	segment
.52511		00		•	chromosome 2 working draft sequence
196D7	65778	66218	NT_0223150	5	segment
		66886	NT_022315		•

Table 3B: Identified Genomic Regions that code for novel human mRNA's

					chromosome 2 working draft sequence
100E10	148157	148338	NT_0223584.00E-95	1	segment chromosome 3 working draft sequence
142F9	193054 240726 286545	241196	NT_022457 0 NT_022457 NT_022457	6	segment
595A12	40034	40650	NT_0224880	2	chromosome 3 working draft sequence segment chromosome 3 working draft sequence
75A2	24792	25256	NT_022555 1.00E-133	1	segment chromosome 4 working draft sequence
468G12 ,	276616	277068	NT_0227510	1	segment chromosome 4 working draft sequence
471F6	403620	404200	NT_0227656.00E-89	1	segment chromosome 4 working draft sequence
463H12	197991	198185	NT_022795 2.00E-88	1	segment chromosome 4 working draft sequence
473E4	408745	409322	NT_022840 1.00E-123	2	segment chromosome 4 working draft sequence
461C8	544633	545127	NT_0228440	1	segment chromosome 4 working draft sequence
470G10	148269	148781	NT_0228550	1	segment chromosome 5 working draft sequence
480F3	471820	472173	NT_023178 1.00E-138		segment chromosome 7 working draft sequence
176G2	98388	98683	NT_023529 1.00E-153		segment chromosome 8 working draft sequence
71F2		62604	NT_0236540	1	segment chromosome 8 working draft sequence
459F2		324869	NT_023660 0	1	segment chromosome 8 working draft sequence
124F9		276413	NT_023666 0	1	segment chromosome 8 working draft sequence
111H9		389283	NT_023676 0	1	segment chromosome 8 working draft sequence
460D12 129D7		527528	NT_023703 3.00E-43 NT_023833 1.00E-170		segment chromosome 8 working draft sequence segment
129D7 183G2		183840	NT 023923 1.00E-112		chromosome 9 working draft sequence segment
478G6	41677		NT 0239451.00E-137		chromosome 9 working draft sequence segment
163E7			NT 0239591.00E-126		chromosome 9 working draft sequence segment
472G12	21182	21574	_ NT_0240160	1	chromosome 9 working draft sequence segment
466B7	471195	471690	NT_024040 1.00E-138	: 1	chromosome 10 working draft sequence segment
459D2	315088	315482	NT_0240910	1	chromosome 10 working draft sequence segment
468B10	791272	792086	NT_0241010	2	chromosome 10 working draft sequence segment

Table 3B: Identified Genomic Regions that code for novel human mRNA's

						chromosome 10 working draft sequence
175D1	270651	271264	NT_024115	0	2	segment
						chromosome 11 working draft sequence
472D7	16139	16549	NT_024223	0	1	segment
						chromosome 13 working draft sequence
476G3	71426	71803	NT_024498	1.00E-144	1	segment
						chromosome 15 working draft sequence
138B6	2E+06	1638986	NT_024680	0	2	segment
						chromosome 16 working draft sequence
466A4	308514	309137	NT_024767	0	1	segment
						chromosome 16 working draft sequence
583D6	551386	551654	NT_024781	1.00E-133	1	segment
						chromosome 16 working draft sequence
468F10	91355	92043	NT_024815	1.00E-132	2	segment
						chromosome 17 working draft sequence
461D9	406470	406916	NT_024897	0	2	segment
	440400	440720	NT_024897			
						chromosome 18 working draft sequence
520A8	168514	168868	NT_024997	0	1	segment
						chromosome X working draft sequence
128F5	113027	113221	NT_025378	6.00E-82	1	segment
						chromosome 1 working draft sequence
467B11	519341	519633	NT_025635	1.00E-113	1	segment
						chromosome 2 working draft sequence
464E11	8932	9161	NT_025657	1.00E-126	1	segment
						chromosome 10 working draft sequence
188C1	1E+06	1221531	NT_025823	4.00E-72	1	segment
						chromosome 16 working draft sequence
468B2	156035	156630	NT_025900	1.00E-150	2	segment
						chromosome 10 working draft sequence
470F3	427484	428029	NT_026379	0	2	segment
						chromosome 15 working draft sequence
36G1	483362	484059	NT_026443	0	1	segment
						chromosome 16 working draft sequence
466B5	19929	20420	NT_026455	1.00E-123	1	segment
						ribosomal protein S24 (rps24) gene,
105A8	3431	3518	U12202	6.00E-34	1	complete cds Length
175D10	18139	18285	U18671	8.00E-45	2	Stat2 gene, complete cds Length = 18648
						BAC956, complete sequence Length =
116F9	68889	69093	U85199	6.00E-69	1	105232
						chromosome 16 BAC clone CIT987SK-A-
598F3	22246	22656	U91318	0	1	962B4, complete sequ
						CpG island DNA genomic Mse1 fragment,
471G1	1	109	Z56926	9.00E-54	1	clone 153c6, forw
						CpG island DNA genomic Mse1 fragment,
516D5	1	143	Z62429	4.00E-53	1	clone 69a1, forwa
					_	CpG island DNA genomic Mse1 fragment,
107D11	81	292	Z63603	1.00E-104	1	clone 87h3, forwa
						DNA sequence from cosmid V311G7,
481D4	12379	12686	Z69304	1.00E-101	1	between markers DXS366
404	000	0440=	700747	4 005 455	0	DNA sequence from clone LL22NC03-74G7
461G6	23967	24497	Z69715	1.00E-173	2	on chromosome 22

Table 3B: Identified Genomic Regions that code for novel human mRNA's

465F5	15468	15659	Z77852	3.00E-70	1
459B2	26193	26772	Z82248	0	2
478E5	49480	49615	Z83847	6.00E-50	1
469E6	4705	5229	Z83851	0	1
517H5	128852	129155	Z85986	1.00E-156	1
114C1	15995 77940	16486 78185	Z93016 Z93016	1.00E-121	3
118A8		118272 132773	Z97989 Z97989	0	2

DNA sequence from cosmid LUCA2 on chromosome 3p21.3 con DNA sequence from clone LL22NC03-44A4 on chromosome 22 DNA sequence from clone RP3-496C20 on chromosome 22 Con DNA sequence from clone 989H11 on chromosome 22q13.1-13 DNA sequence from clone 108K11 on chromosome 6p21 Conta DNA sequence from clone RP1-211D12 on chromosome 20q12-

DNA sequence from PAC 66H14 on chromosome 6q21-22. Cont

Table 3C: Table of novel human nucleotide sequences compared to assembled human sequences, depicting putative exon-intron structure

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73A7 NT_008060 1 197 478646 478842 197 538 479917 480259 75B12 NT_010265 1 171 309301 309471 169 267 315278 315376 264 441 316976 317153	440			
75B12 NT_010265 1 171 309301 309471 169 267 315278 315376 264 441 316976 317153	440			
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100B5 NT_006098 16 142 556012 556138 143 336 560579 560772 331 416 561268 561353				
105B11 NT 022315 2 226 66662 66886 429 491 89124 89186				
170F9 NT 010194 4 324 6405068 6405386 323 465 6407864 6408006				
144F5 NT 011595 1 280 125097 124818 345 491 120524 120378 279 347 123833 123765	490	559	118816	118747
166H7 NT_009729 59 130 537939 537868 127 281 537177 537023 282 362 529971 529891	363	581	495632	495414
cont'd NT 009729 579 672 491513 491419				
171A10 NT_009151 2 244 6556227 6556469 245 396 6556693 6556846				
98E1 NT 006098 12 138 556012 556138 139 328 560579 560768 330 506 561271 561447				
134B4 NT 011512 3 251 12517461 12517709 252 338 12519881 12519967 336 448 12523936 12524048				
172E5 NT_009935 5 449 1427508 1427952 448 551 1434457 1434560				
176F12 NT 011520 48 309 6163505 6163766 308 409 6163866 6163967				
51B9 NT 021980 75 578 120596 121099 3 79 120203 120279				
51B12 NT 007140 1 85 309298 309214 79 609 300215 299684				
191F6 NT 010194 7 330 6405063 6405386 329 473 6407864 6408008				
459F10 NT 008982 1 121 92783 92903 116 314 93005 93202				
461H12 NT 023539 19 94 332693 332768 92 166 334220 334294 164 298 334438 334572	300		335340	335510
463C3 NT_010478 1 186 1307774 1307960 183 314 1308993 1309124 315 429 1309210 1309324	427	559	1309492	1309625
465B3 NT 010222 41 227 700806 700992 227 414 701556 701743				
513G4 NT 005130 1 134 384702 384569 133 204 383722 383651 202 281 378695 378616	287	346	299615	299556
515E10 NT_023563 1 169 9743 9575 169 309 8111 7971				
466B10 NT_006292 1 331 936306 935977 244 745 935875 935374				
466F9 NT_024872 17 186 64694 64525 184 295 61751 61640 294 626 59515 59185				
121B6 NT_023169 2 98 183171 183075 258 455 164976 164779 460 576 163071 162955				
462D1 NT_023923 139 298 191231 191072 297 528 190168 189937				
64G9 NT_025892 68 210 367311 367453 209 394 369301 369486 392 531 370288 370427	407	~ 47	4045700	4045070
467C6 NT_010101 1 73 1265999 1266071 218 330 1295695 1295807 330 468 1315073 1315211	407	547	1313790	1315878
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467G9 NT_011157 69 142 917117 917044 142 253 916090 915979				
476G4 NT_007592 58 121 2382380 2382443 120 362 2382598 2382840				
477E1 NT_008680 1 116 1185208 1185323 116 472 1186107 1186462				
477A11 NT_006292 1 325 936300 935977 238 851 935875 935262				
480A3 NT_010478 1 99 2220394 2220492 181 525 2221546 2221890				
51611 (1 00000) 1 70 2000000 2000120 120 220 2000000 120 220				
519A9 NT_016632 64 193 172305 172434 191 279 176990 177078				
521F2 NT_023563 3 107 7651 7756 110 254 7968 8111 256 452 9575 9771				
59/A4 N1_025565 1 109 7047 7755 100 200 7007				
491G11 NT_010265 1 127 284740 284866 123 242 288529 288648				
494B11 NT_007343 25 246 3168142 3167921 244 334 3162477 3162387				
479A1 NT_015169 1 109 293941 293833 112 217 289082 288977 218 338 285931 285811				

Table 4: Patient groups and diagnostic gene sets.

Group A represents a patient group with a disease characteristic of interest. This characteristic either exists at the time of the leukocyte expression profile or develops subsequently as noted in the second column. Leukocyte expression profiles from patient in Group A are compared to those from patients in Group B (control subjects). Genes with expression characteristics in leukocytes that distinguish groups A and B form diagnostic gene sets for the condition.

Group A	Group A	Group B	Gene Set
	Event		
Atherosclerosis	At time of profile	No atherosclerosis	Diagnostic of disease
Restenosis	Subsequent to profile	No restenosis	Predictive of disease occurance
Myocardial infarction	Subsequent to profile	No myocardial infarction	Predictive of disease complications
Death from congestive heart failure	Subsequent to profile	No death, congestive heart failure	Prognostic for known disease
Transplant allograft rejection	Subsequent to profile	Transplant allograft, no rejection	Risk stratification for disease
CHF responsive to beta blocker (improved ejection fraction)	Subsequent to profile	CHF unresponsive to beta blocker	Predictive of drug responsiveness
Improvement in angina after smoking cessation	At time of profile	No improvement in angina after smoking cessation	Assessment of efficacy of non-pharmacologic therapy
Improvement in angina after pro-angiogenic drug therapy	At time of profile	No improvement in angina after pro-angiogenic drug therapy	Assessment of efficacy of pharmacologic therapy
Positive results (atherosclerosis) at angiography	Subsequent to profile	Negative results (atherosclerosis) at angiography	Assessment of selection for further diagnostic testing
Active systemic lupus erythematosis (SLE)	At time of profile	Inactive SLE	Diagnosis of disease

Table 4 (continued): Patient groups and diagnostic gene sets.

Group A	Group A	Group B	Gene Set
-	Event		
Development of	Subsequent	No	Predictive of disease
cardiac allograft	to profile	development of	
vasculopathy		cardiac allograft	
		vasculopathy	
Patients at time		Same patients	Identification of
of angioplasty		presenting later	pathway
		with restenosis	genes/targets
Endothelial	At time of	No endothelial	Diagnosis, disease
Dysfunction	profile	dysfunction	monitoring
Unstable angina	At time of	Atheroscleosis	Diagnosis of disease
	profile	without	complication
		unstable angina	

Table 5: Nucleotide sequence databases used for analysis

Database	Version	Description	Location of file	Threshold of
				Significance
				Used
nr	Release	GenBank+EMBL+DDBJ+P	ftp:/ncbi.nlm.nih.gov/	Expect value
	123.0	DB sequences (but no EST,	blast/nt.Z	(e) $< 10^{-25}$
		STS, GSS, or HTGS		
		sequences). No longer "non-		
		redundant".		
dbEST	04/10/01	Non-redundant Database of	ftp:/ncbi.nlm.nih.gov/	Expect value
		GenBank+EMBL+ DDBJ	blast/est_human.Z	(e) $< 10^{-25}$
		EST Division		
UniGene unique	Build 132	One sequence selected from	ftp:/ncbi.nlm.nih.gov/	Expect value
		each UniGene cluster (the	pub/shuler/unigene/	$(e) < 10^{-25}$
		one with the longest region of	Hs.seq.uniq.Z	
		high-quality sequence data).		
Human Genome	Build 22	Sequence data of all contigs	ftp:/ncbi.nlm.nih.gov/	Expect value
		used to assemble the human	genomes/H_sapiens/	$(e) < 10^{-25}$
		genome	CHR_#/hs_chr#.fa.gz	

Table 6: Algorithms used for exon and polypeptide prediction

Algorithm	Description	Web address
Genscan	Predicts the locations and exon-intron	http://genes.mit.edu/GENSCAN.html
	structures of genes in genomic	
	sequences.	
Genomescan	Incorporates protein homology	http://genes.mit.edu/genomescan.html
	information when predicting genes.	
GrailEXP	Predicts exons, genes, promoters,	http://grail.lsd.ornl.gov/grailexp/
	polyAs, CpG islands, EST similarities,	
	and repetitive elements within a DNA	
	sequence.	
G-Known	Predicts genes and features of a DNA	http://www.cse.ucsc.edu/research/compbio/pgf/
	sequence at user-specified levels of	
	complexity. Can incorporate extra	
	information supplied by user including	
	gene predictions from other gene finding	
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	known proteins, synteny between	
	corresponding genomic regions in related	
	organisms, methylation of the bases,	
	regulatory binding sites, and topology	
	information.	
FGENES	Uses linear and hidden Markov models	http://genomic.sanger.ac.uk/gf/gf.shtml
	for exon prediction	

Table 7: Databases and algorithms used for Protein Analysis

Algorithm	Description	Web address
BLASTP, version 2.0	Identification of unknown protein or	http://www.ncbi.nlm.nih.gov/BLAST/
	subunit based on similarity to known	
!	proteins or subunits.	
BLASTX	Algorithm for translating a nucleotide	http://www.ncbi.nlm.nih.gov/BLAST/
	query sequence and aligning the	
	translation to sequences in protein	
	databases	
TBLASTN	Algorithm for aligning an unidentified	http://www.ncbi.nlm.nih.gov/BLAST/
	peptide sequence to predicted	
	translations of nucleotide sequences	
SWISS-PROT,	Protein sequence database	http://www.expasy.ch/cgi-bin/
release 39.0		sprot-search-de
Protein International	Protein sequence database	http://www-nbrf.georgetown.edu/
Resource (PIR)		pirwww/
GenPept	Amino acid translations from	ftp://ncbi.nlm.nih.gov/genbank/
	GenBank/EMBL/DDBJ records that are	genpept.fsa.gz
	annotated with one or more CDS features	
TrEMBL	Contains the translations of all coding	http://www.ebi.ac.uk/swissprot/
	sequences present in the EMBL	
	Nucleotide Sequence Database, which	
	are not yet integrated into SWISS-PROT	
Prosite, release 16.39	Database of protein families and	http://www.expasy.ch/prosite/
	domains. Consists of biologically	
	significant sites, patterns and profiles.	
Pfam, version 6.2	Collection of multiple sequence	http://www.sanger.ac.uk/Software/
	alignments and hidden Markov models	Pfam/
	covering many common protein domains	
ProDom, version 2001.1	Domain arrangements of proteins and	http://protein.toulouse.inra.fr/
	protein families	prodom.html
TMpred	Prediction of transmembrane regions to	http://www.ch.embnet.org/software/
	aid in subcellular localization and	TMPRED_form.html
	function predictions	

Table 8

SEQ	Origin	Unigene	Locus	GI	Nominal Description	Strand	Probe Sequence
<u>ID</u> 1	cDNA T-cells	Hs 100001	NM_005074	4827009	solute carrier family 17 (sodium phosphate), member 1 (SLC17A1),	1	AGAGCACTTGCAGAGCCTGGGACAA CCTCCTTATTGAAGGGAAGAGGGAC
2	cDNA T-cells	Hs 104157	AW968823	8158664	EST380899 cDNA /gb=AW968823 direction unknown	1	TGGTCTCAAAGATTTACATGGCAACA TTCGAAAGTCCCCAGAGAAGTCCT
3	cDNA T-cells	Hs.104157	AW968823		Complement of EST380899 cDNA /gb=AW968823 direction unknown	-1	AGGACTTCTCTGGGGACTTTCGAATG TTGCCATGTAAATCTTTGAGACCA
4	literature	Hs.1051	NM_004131		granzyme B (granzyme 2, cytotoxic T- lymphocyte-associated serine esterase 1) (GZMB),	1	AGGTGCCAGCAACTGAATAAATACCT CTCCCAGTGTAAATCTGGAGCCAA
5	cDNA T-cells	Hs.105230	AA489227	2218829	aa57f07.s1 cDNA, 3' end /clone=IMAGE:825061 strand unknown	1	GGGTGTCTTTAAATAGCACTAGCCAA ATCACATATCTCCAACACTCCTTA
6	cDNA T-cells	Hs 105230	AA489227	2218829	Complement, aa57f07.s1 cDNA, 3' end /clone=IMAGE:825061 strand unknown	-1	TAAGGAGTGTTGGAGATATGTGATTT GGCTAGTGCTATTTAAAGACACCC
7	cDNA T-cells	Hs.107979	NM_014313	7657594	small membrane protein 1 (SMP1), mRNA /cds=(99,	1	CCCACAGTGCAATTCAGAATATGCTC AGGGAATGCCAGCCACCTTGTAAA
8	cDNA T-cells	Hs.10888	AK025212	10437679	cDNA: FLJ21559 fis, clone COL06406 /cds=UNKNOW	1	GCCAAGACAATAAGCTAGGCTACTGG GTCCAGCTACTACTTTGGTGGGAT
9	cDNA T-cells	Hs.10888	AK025212	10437679	complement cDNA: FLJ21559 fis, clone COL06406 /cds=UNKNOW	-1	ATCCCACCAAAGTAGTAGCTGGACCC AGTAGCCTAGCTTATTGTCTTGGC
10	cDNA T-cells	Hs.1100	M55654		TATA-binding protein mRNA, complete cds /cds=(241,12	1	AATTTATAACTCCTAGGGGTTATTTCT GTGCCAGACACATTCCACCTCTC
11	cDNA T-cells	Hs.11000	NM_015344	7662509	MY47_BRAIN MY047 PROTEIN	1	ACTAATTGCATTGGCAGCATTGTGTC TTTGACCTTGTATACTAGCTTGAC
12	cDNA T-cells	Hs.1101	NM_002698	4505958	POU domain, class 2, transcription factor 2 (P	1	AAACCAAAAATAATCACAACAGAAAC CAGCTGCCCCAAAGGAACCAGAGG
13	cDNA T-cells	Hs.11238	AB014522	3327057	KIAA0622 protein; Drosophila "multiple asters" (Mast)-like homolog 1	1	TCCCACCAGGACTTTGCTAACAATAA TGTTTGGAAATAAAGAAGTGCTCT
14	cDNA T-cells	Hs.116481	NM_001782	4502682	CD72, B cell differentiation antigen	1	TGACACTCATGCCAACAAGAACCTGT GCCCCTCCTTCCTAACCTGAGGCC
15	cDNA T-cells	Hs.295726	M14648	340306	cell adhesion protein (vitronectin) receptor alpha s Platelets,	1	ACAAATTTTACCCTAACAGTTTTACCA CCTAGCAACAGTCATTTCTGAAA
16	cDNA T-ceils	Hs.119155	AL109786	5725475	mRNA full length insert cDNA clone EUROIMAGE 81	1	TTTATTGGTACTTCCTAAAGATAGAGA CTAAAGTCATGGTAGTATTGGCC
17	cDNA T-cells	Hs.119155	AL109786	5725475	Complement of mRNA full length insert cDNA clone EUROIMAGE 82	-1	GGCCAATACTACCATGACTTTAGTCT CTATCTTTAGGAAGTACCAATAAA
18	cDNA T-cells	Hs.119537	NM_006559	5730026	GAP-associated tyrosine phosphoprotein p62 (Sam68)	1	CCTCCCATTTTGTTCTCGGAAGATTA AATGCTACATGTGTAAGTCTGCCT
19	cDNA T-cells	Hs.121025	NM_014205	7656935	chromosome 11 open reading frame 5 (C11ORF5), m	1	CCGTGCCCGGAAACAGGCCGTGGCT AGAGAAGAGCGAGATCATCTTTACC
20	literature	Hs.126256	NM_000576	10835144	interleukin 1-beta (IL1B) mRNA, monocytes, macrophages	1	GGTCTAATTTATTCAAAGGGGGCAAG AAGTAGCAGTGTCTGTAAAAGAGC
21	cDNA T-cells	Hs.126925	AK023275	10435137	FLJ13213 fis, clone NT2RP4001126, weakly	1	AGATGGGTGAATCAGTTGGGTTTTGT AAATACTTGTATGTGGGGAAGACA
22	cDNA T-cells	Hs.1279	AK024951	10437374	FLJ21298 fis, clone COL02040, highly sim	1	TCTCTAGTTGTCACTTTCCTCTTCCAC TTTGATACCATTGGGTCATTGAA
23	cDNA T-cells	Hs.129780	NM_003327	4507578	OX40 homolog, ACT35 Antigen, TNF receptor superfamily, member 4	1	TCAAAAGAAAGCCTTCTGGATGCTGT TAAGATGTACCCTTCAGGTGAACC
24	cDNA T-cells	Hs.1309	M28825	180035	thymocyte antigen CD1a mRNA	1	CCCCCTTTCCTTCTAATTTTTCAGCTC CTTCAATGCAAAGTACATGTATT
25	cDNA T-cells	Hs.1349	NM_000758	4503076	colony stimulating factor 2 (granulocyte- macrophage) (CSF2),	1	CCTCCAACCCCGGAAACTTCCTGTGC AACCCAGACTATCACCTTTGAAAG
26	cDNA T-cells	Hs.136375	BF513274	11598453	ESTs, Weakly similar to S65824 reverse transcriptase homolog (3' EST	1	GGAAGGTAGTCTTCATTTGCAATCAG GAAAACGAACGTAAAGGCACAGGT
27	cDNA T-cells	Hs.136375	BF513274	11598453	Complement of ESTs, Weakly similar to S65824 reverse transcriptase homolog (3' EST read)	-1	ACCTGTGCCTTTACGTTCGTTTTCCT GATTGCAAATGAAGACTACCTTCC
28	cDNA T-cells	Hs.137548	NM_003874	4502686	CD84 antigen (leukocyte antigen) (CD84)	1	TGTTTTCCTCACTACATTGTACATGTG GGAATTACAGATAAACGGAAGCC
29	cDNA T-cells	Hs.1416	M15059	182447	Fc-epsilon receptor (IgE receptor) mRNA, complete cd	1	CAGAGCAAGACCCTGAAGACCCCCA ACCACGGCCTAAAAGCCTCTTTGTG
30	cDNA T-cells	Hs.142023	NM_005816	5032140	TACT_T-CELL SURFACE PROTEIN	1	GCTTCATATGTATGGCTGTTGCTTTG CTTCATGTGTATGGCTATTTGTAT
31	cDNA T-cells	Hs 1481	NM_002112	4504364	histidine decarboxylase (EC 4.1.1 22) (HDC),	1	CAGATGGGTTCAGCAGTCTGGTCAGT GAGAAAGGGCCGAGGGTAGACAGG
32	cDNA T-cells	Hs.150403	NM_000790	4503280	dopa decarboxylase (aromatic L-amino acid decarboxylase)	1	TCCAGGGCAATCAATGTTCACGCAAC TTGAAATTATATCTGTGGTCTTCA
33	cDNA T-cells	Hs.1513	NM_000629	10835182	interferon (alpha, beta and omega) receptor 1 (IFNAR1),	1	TCATCCCGAGAACATTGGCTTCCACA TCACAGTATCTACCCTTACATGGT
34	literature	Hs.153053	NM_001774	4502662	leukocyte antigen CD37	1	CGCTCTCGATATTCCTGTGCAGAAAC CTGGACCACGTCTACAACCGGCTC
35	6 cDNA T-cells	Hs.153952	2 X55740	23896	placental cDNA coding for 5'nucleotidase (EC 3.1.3.5)	1	CCTGCTCAGCTCTGCATAAGTAATTC AAGAAATGGGAGGCTTCACCTTAA

			AUNA 004404	4750457	Neural precursor cell expressed,	1	GGAGGACCCACACTGCTACACTTCTG
36	cDNA T-cells	Hs 155595	NM_004404		developmentally down-regulated 5	•	ATCCCCTTTGGTTTTACTACCCAA
37	cDNA T-cells	Hs 1570	Z34897		H1 histamine receptor	1	GAAGAACAGCAGATGGCGGTGATCA
							GCAGAGAGATTGAACTTTGAGGAGG GGAATTTCCTATCTTGCAGCATCCTG
38	cDNA T-cells	Hs.159557	AK024833	10437239	FLJ21180 fis, clone CAS11176, highly sim	1	TAAATAAACATTCAAGTCCACCCT
39	cDNA T-cells	Hs.160417	NM_013390	7019554	transmembrane protein 2 (TMEM2),	1	CCTCAAAGTGCTACCGATAAACCTTT
55	CDIVA 1-CCIIS	113.100417	140 10000		mRNA /cds=(14		CTAATTGTAAGTGCCCTTACTAAG
40	cDNA T-cells	Hs.16488	BC007911	14043948	calreticulin	1	AGTGGGTCCCAGATTGGCTCACACT GAGAATGTAAGAACTACAAACAAAA
44	aDNA T collo	Hs.166120	NM 004031	4809287	interferon regulatory factor 7 (IRF7),	1	CTGTCCAGCGCCAACAGCCTCTATGA
41	cDNA T-cells	HS. 100120	14141_004031	4000207	transc		CGACATCGAGTGCTTCCTTATGGA
42	cDNA T-cells	Hs.166975	NM_006925	5902077	splicing factor, arginine/serine-rich 5	1	AAATTCTGGTAAGTATGTGCTTTTCTG
				000775	(SFR	1	TGGGGGTGGGATTTGGAAGGGGG ATGGGTGAAGAGAACCGAGCAAAGA
43	literature	Hs.167988	S71824	632775	N-CAM=145 kda neural cell adhesion molecule	1	TCAAAATAAAAAGTGACACAGCAGC
44	cDNA T-cells	Hs.168103	AF026402	2655201	U5 snRNP 100 kD protein mRNA, cds	1	GCTGTGTCCATCTTTGTCACTGAGTG AAATCTCTGTTTTCTATTCTCTGA
45	cDNA T-cells	Hs.168132	1114407	540098	/cds=(39,2501 interleukin 15 (IL15) mRNA	1	ATGTGCTGTCAAAACAAGTTTTTCTGT
-45	CDIAN 1-CCIIS	110.1001012	01110				CAAGAAGATGATCAGACCTTGGA
46	literature	Hs.168383	NM_000201	4557877	intercellular adhesion molecule 1	1	CAGTGATCAGGGTCCTGCAAGCAGT GGGGAAGGGGGCCAAGGTATTGGAG
					(CD54), rhinovirus receptor (ICAM1),		000077000007770077770077
47	cDNA T-cells	Hs 169191	U58913	4204907	chemokine (hmrp-2a) mRNA, complete	1	TGGACACACGGATCAAGACCAGGAA
				0.404700	cds /cds=(71,484)	1	GAATTGAACTTGTCAAGGTGAAGGG AACAGACCCCCTCTAGAAATTTTTCA
48	literature	Hs.169610	AJ251595	6491/38	transmembrane glycoprotein (CD44 gene).	1	GATGCTTCTGGGAGACACCAAAGG
49	cDNA T-cells	Hs.170311	D89678	3218539	50 for A+U-rich element RNA binding	1	GTCAGTAGGTGCGGTGTCTAGGGTA
	92				factor,		GTGAATCCTGTAAGTTCAAATTTAT
50	cDNA T-cells	Hs.170311	D89678	3218539	60 for A+U-rich element RNA binding	1	AGTTGTGTGGTCAGTAGGTGCGGTG TCTAGGGTAGTGAATCCTGTAAGTTC
					factor,		AAATTTATG
51	cDNA T-cells	Hs.170311	D89678	3218539	70 for A+U-rich element RNA binding	1	TTTAAGTTGTGTGGTCAGTAGGTGCG
					factor,		GTGTCTAGGGTAGTGAATCCTGTAAG TTCAAATTTATGATTAGG
	DNIA TU-	11- 474769	X59350	36000	mRNA for B cell membrane protein	1	GTTTGAGATTATGATTAGG
52	cDNA T-cells	Hs.171763	V28220	30090	CD22	•	TTAACCTGCCAGGGAGACAGAGCT
53	cDNA T-cells	Hs.171917	AB037855	7243265	mRNA for KIAA1434 protein, partial cds	1	TTGTGACTCTGAATCCCATGTTCTCA
- 4	DNA Table	Ha 470000	AL110202	5017101	cDNA DKFZp586l2022 (from clone	1	AACTACGCTGCCTTCCGAAGTCTG TTTAAGTACTAAGTCATCATTTGCCTT
54	cDNA T-cells	Hs.172089	AL110202		DKFZp586I	•	GAAAGTTTCCTCTGCATTGGGTT
55	cDNA T-cells	Hs.172089	AL110202	5817121	Complement of cDNA DKFZp586l2022	-1	AACCCAATGCAGAGGAAACTTTCAAG GCAAATGATGACTTAGTACTTAAA
	[]AA	Hs.1722	M28983	186270	(from clone DKFZp586I 50 interleukin 1 alpha (IL 1) mRNA,	1	TACCTGGGCATTCTTGTTTCATTCAAT
56	literature	NS.1722	MI20903	100278	macrophages	•	TCCACCTGCAATCAAGTCCTACA
57	literature	Hs.1722	M28983	186279	• • •	1	CCATTAAACTTACCTGGGCATTCTTG
					macrophages		TTTCATTCAATTCCACCTGCAATCAAG TCCTACA
58	literature	Hs.1722	M28983	186279	70 interleukin 1 alpha (IL 1) mRNA,	1	CACCTGCAATCAAGTCCTACAAGCTA
50	illerature	110.1122			macrophages		AAATTAGATGAACTCAACTTTGACAA
					Co. But 6 Substitution Comments	4	CCATGAGACCACTGTTAT AATGCGTACGTTTCCTGAGAAGTGTC
59	literature	Hs.1724	X01057	33812	50 mRNA for interleukin-2 receptor	1	TAAAAACACCAAAAAGGGATCCGT
60	literature	Hs.1724	X01057	33812	60 mRNA for interleukin-2 receptor	1	ACGTTTCCTGAGAAGTGTCTAAAAAC
							ACCAAAAAGGGATCCGTACATTCAAT GTTTATGC
61	literature	Hs.1724	X01057	33812	70 mRNA for interleukin-2 receptor	1	CAAATCAATGCGTACGTTTCCTGAGA
61	illerature	113.1724	701001	00012			AGTGTCTAAAAACACCAAAAAGGGAT
						4	CCGTACATTCAATGTTTA CTCCGGGAGAGGGGACGGTCAATCC
62	cDNA T-cells	Hs 172631	J04145	189068	neutrophil adherence receptor alpha-M subunit mRNA	1	TGTGGGTGAAGACAGAGGGAAACAC
					Subdine mixture		
63	cDNA T-cells	Hs.305870	NM_003761	14043025	vesicle-associated membrane protein	1	GGCTGGGAAACTGTTGGTGGCCAGT GGGTAATAAAGACCTTTCAGTATCC
	aDMA T acile	Hs.172791	NM_004182	4750207	8 (endob ubiquitously-expressed transcript	1	TGCTAGAGGGGCTTAGAGAACTACAA
64	cDNA T-cells	113.172731	14141_004102		(UXT), mR		GGCCTGCAGAATTTCCCAGAGAAG
65	literature	Hs.173894	NM_000757	4503074	macrophage-specific colony-stimulating	1	CTGACTCAGGATGACAGACAGGTGG AACTGCCAGTGTAGAGGGAATTCTA
66	cDNA T-cells	Hs 174103	NM 002209	4504756	factor (CSF-1) Integrin, alpha L (CD11A (p180),	1	GTAAAGGCTATACTTGTCTTGTTCAC
00	CDIAN 1-CEIIS	1,3 17 100	552250	,55-11 00	lymphocyte function-associated antigen		CTTGGGATGACGCCGCATGATATG
	·		V00000	0000	1; alpha polypeptide)	1	CAAGCAGGAAGCACAAACTCCCCCA
67	cDNA T-cells	Hs.174142	: AU3663	29899	c-fms proto-oncogene Monocytes	,	AGCTGACTCATCCTAACTAACAGTC
68	cDNA T-cells	Hs.169610	AA156937	1728552	2 zl19c02 s1	1	TCTTCAACAGACCCCCTCTAGAAATT
					Soares_pregnant_uterus_NbHPU		TTTCAGATGCTTCTGGGAGACACC

Table 8

69	cDNA T-cells	Hs.17483	NM_000616	10835166	CD4 antigen (p55) (CD4),	1	GTCCTCCACGCCATTTCCTTTTCCTT CAAGCCTAGCCCTTCTCTCATTAT
70	cDNA T-cells	Hs.177559	U05875	463549	clone pSK1 interferon gamma receptor	1	GGCCCTTCATGTACATCCATGGTGTG CTGGCTTAAAATGTAATTAATCTT
71	cDNA T-cells	Hs.179526	S73591	688296	accessory factor brain-expressed HHCPA78 homolog	1	AAGATGCCCAACCCTGTGATCAGAAC CTCCAAATACTGCCATGAGAAACT
72	cDNA T-cells	Hs.1799	J04142	619799	VDUP1 (Gene) (lambda-gt11ht-5) MHC class I antigen- like gl	1	CAGGAGTTTGTGTGTCTTTTATAAAAA GTTTGCCCTGGATGTCATATTGG
73	cDNA T-cells	Hs.180804	AK000271	7020240	cDNA FLJ20264 fis, clone COLF7912 /cds=UNKNOWN	1	CCCTGAGTGACAGTCACGACAGAAC AAAACCACAAGACCAGACC
74	cDNA T-cells	Hs.180866	NM_000416	4557879	interferon gamma receptor 1 (IFNGR1),	1	CCTTTACATCCAGATAGGTTACCAGT AACGGAACATATCCAGTACTCCTG
75	cDNA T-cells	Hs 181165	AK026650	10439548	FLJ22997 fis, clone KAT11962, highly sim	1	TGCATCGTAAAACCTTCAGAAGGAAA GGAGAATGTTTTGTGGACCACTTT
76	cDNA T-cells	Hs.181357	NM_002295	9845501	laminin receptor 1 (67kD, ribosomal protein SA	1	GGCCACTGAATGGGTAGGAGCAACC ACTGACTGGTCTTAAGCTGTTCTTG
77	cDNA T-cells	Hs.187660	NM_014504	7657495	Major histocompatibility complex, class I, E (HLA-E)	1	TGTAGGGTAAATGTGACTGGAATACA CCTTTGGAACGGAATTCTTTATCA
78	cDNA T-cells	Hs.182740	NM_001015	14277698	ribosomal protein S11 (RPS11), mRNA /cds=(15,4	1	AGGCTGGACATCGGCCCGCTCCCCA CAATGAAATAAAGTTATTTTCTCAT
79	cDNA T-cells	Hs.187660	NM_014504	7657495	putative Rab5 GDP/GTP exchange factor homologu	1	TGTAGGGTAAATGTGACTGGAATACA CCTTTGGAACGGAATTCTTTATCA
80	cDNA T-cells	Hs.197345	NM_001469	4503840	thyroid autoantigen 70kD (Ku antigen) (G22P1),	1	GTTGCCATGGTGATGGTGTAGCCCTC CCACTTTGCTGTTCCTTACTTTAC
81	cDNA T-cells	Hs.198253	M33906	184194	MHC class II HLA-DQA1 mRNA, complete cds /cds=(43,810)	1	CCACCCACCCCTCAATTAAGGCAACA ATGAAGTTAATGGATACCCTCTGC
82	cDNA T-cells	Hs.197345	NM_001469	4503840	thyroid autoantigen 70kD (Ku antigen) (G22P1),	1	GTTGCCATGGTGATGGTGTAGCCCTC CCACTTTGCTGTTCCTTACTTTAC
83	cDNA T-cells	Hs.198253	M33906	184194	MHC class ii HLA-DQA1 mRNA, complete cds /cds=(43,810)	1	CCACCCACCCCTCAATTAAGGCAACA ATGAAGTTAATGGATACCCTCTGC
84	cDNA T-cells	Hs.1987	NM_006139	5453610	CD28 antigen (Tp44) (CD28)	1	GCTCACCTATTTGGGTTAAGCATGCC AATTTAAAGAGACCAAGTGTATGT
85	cDNA T-cells	Hs.336769	NM_002074	11321584	guanine nucleotide binding protein (G protein)	1	TCCACCTTTTGTATTTAATTTTAAAGT CAGTGTACTGCAAGGAAGCTGGA
86	cDNA T-cells	Hs.211576	L10717	307507	T cell-specific tyrosine kinase mRNA, complete	1	CCCTATCCCGCAAAATGGGCTTCCTG CCTGGGTTTTTCTCTCTCACATT
87	cDNA T-cells	Hs 336769	NM_002074	11321584	guanine nucleotide binding protein (G protein)	1	TCCACCTTTTGTATTTAATTTTAAAGT CAGTGTACTGCAAGGAAGCTGGA
88	cDNA T-cells	Hs.2186	AF119850	7770136	PRO1608 mRNA, complete cds /cds=(1221,2174) /	1	AGATCTTCAAGTGAACATCTCTTGCC ATCACCTAGCTGCCTGCACCTGCC
89	cDNA T-cells	Hs.21907	NM_007067	5901961	histone acetyltransferase (HBOA), mRNA /cds=	1	GCTAATTTTAAGCATGTTCAGTGGCA GCTCCCCTCCAGTTTCAGTGTCAC
90	cDNA T-cells	Hs.2200	NM_005041	4826941	Perforin 1 (pore forming protein; PRF1)	1	CCTGTGATCAGGCTCCCAAGTCTGGT TCCCATGAGGTGAGATGCAACCTG
91	cDNA T-cells	Hs.2233	NM_000759	4503078	granulocyte colony-stimulating factor 3 (CFS3)	1	ACATGGTTTGACTCCCGAACATCACC GACGTGTCTCCTGTTTTTCTGGGT
92	cDNA T-cells	Hs.2236	Z29067	479172	NEK3_SERINE/THREONINE- PROTEIN KINASE NEK3	1	TCAGAGCTGAAGAAGCGAGCTGGAT GGCAAGGCCTGTGCGACAGATAATG
93	cDNA T-cells	Hs.233936	NM_006471	5453739	myosin, light polypeptide, regulatory, non-s	1	TCAGCCATTTTGGGCATATGTATCTTT ATAATCAGACTGGAAACGGGACT
94	cDNA T-cells	Hs.236449	NM_024898		cDNA: FLJ22757 fis, clone KAIA0803 /cds=(92,24	1	ATCCTGGCAACCTTACAATTCCTCTC GGCATTTGTCACTTCCATCTCAGC
95	cDNA T-cells	Hs.238648	NM_003999	4557039	oncostatin-M specific receptor beta subunit (OSMRB)	1	AGCTTACTACAGTGAAAGAATGGGAT TGGCAAGTAACTTCTGACTTACTG
96	cDNA T-cells	Hs.238707	NM_024901	13376358	cDNA: FLJ22457 fis, clone HRC09925 /cds=(56,14	1	ATTATAACATCTTCAACACAGAACACA CTTTGTGGTCGAAAGGCTCAGCC
97	cDNA T-cells	Hs.239138	NM_005746	5031976	pre-B-cell colony-enhancing factor (PBEF), m	1	TGTCAGAGATTGCCTGTGGCTCTAAT ATGCACCTCAAGATTTTAAGGAGA
98	cDNA T-cells	Hs.239189	NM_014905	7662327	•	1	TGTCTGGCAGGGACTGAATGACCTG ATGTCAGATTTAGATTCTTCCTGGG
99	cDNA T-cells	Hs.241392	NM_002985	4506846	small inducible cytokine A5 (RANTES) (SCYA5),	1	GGGAGGAACACTGCACTCTTAAGCTT CCGCCGTCTCAACCCCTCACAGGA
100	cDNA T-cells	Hs.241567	NM_016838	8400721	RNA binding motif, single stranded interacting	1	ATGAAGAAGGGTGTGAAGGCTGAAC AATCATGGATTTTTCTGATCAATTG
101	cDNA T-ceils	Hs.241570	NM_000594	10835154	Tumor necrosis factor (TNF superfamily, member 2	1	GCCTCTGCTCCCCAGGGAGTTGTGT CTGTAATCGGCCTACTATTCAGTGG
102	cDNA T-cells	Hs.247885	5 NM_022304		Histamine receptor H2 (HRH2)	1	GGATGCTACTGATGGGAATGATTAAG GGAGCTGCTGTTTAGGTGGTGCTG
103	cDNA T-cells	Hs.248156	NM_020530		oncostatin M (OSM),	1	TCAGGAACAACATCTACTGCATGGCC CAGCTGCTGGACAACTCAGACACG
104	cDNA T-cells	Hs.298469	_		2 dipeptidyl carboxypeptidase 1 (angiotensin I converting enzyme)	1	CTTACATCAGGTACTTTGTCAGGTTC ATCATCCAGTTCCAGGTTCCACGAG
105	cDNA T-cells	Hs.336780	_		tubulin, beta, 2 (TUBB2), mRNA	1	CATCCAGGAGCTGTTCAAGCGCATCT CCGAGCAGTTCACGGCCATGTTCC
106	cDNA T-cells	Hs.252723	3 NM_000981	4506608	ribosomal protein L19 (RPL19), mRNA /cds=(28,6	1	ACCTCCCACTITGTCTGTACATACTG GCCTCTGTGATTACATAGATCAGC

Table 8

107	cDNA T-cells	NA	X53795	35832	R2 mRNA for an inducible membrane protein /cds=(156,95	1	GTCTTTGAGAATATGATGTCAGACAT TTTCGGATGGGCTGTTTAGATGTT
108	literature	Hs 25648	NM_001250	4507580	Tumor necrosis factor receptor superfamily, member 5	1	GGTCACCCAGGAGGATGGCAAAGAG AGTCGCATCTCAGTGCAGGAGAGAC
109	cDNA T-cells	Hs 258503	AF160973	5616319	P53 inducible protein	1	AGACCCTTATCTGGAGGAGGAAGAG AAGCAGGAGGAGAGAAAGCCACAGCC
110	cDNA T-cells	Hs.265829	NM_002204	4504746	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) (ITGA3),	1	GGCTGTGTCCTAAGGCCCATTTGAGA AGCTGAGGCTAGTTCCAAAAACCT
111	cDNA T-cells	Hs 271387	Y16645	2916795	for monocyte chemotactic protein-2 /cds=	1	GTGCTCCTGTAAGTCAAATGTGTGCT TTGTACTGCTGTTGTTGAAATTGA
112	cDNA T-cells	Hs.272493	NM_004167	14602450	small inducible cytokine subfamily A (Cys-Cys	1	CAGAGACATAAAGAGAAGATGCCAAG GCCCCCTCCTCCACCCACCGCTAA
113	cDNA T-cells	Hs.176663	NM_000570		Fc fragment of IgG, low affinity IIIb, receptor for (CD16) (FCGR3B),	1	ATGGGAGTAATAAGAGCAGTGGCAG CAGCATCTCTGAACATTTCTCTGGA
114	literature	Hs.278443	NM_004001	4557021	Fc fragment of IgG, low affinity Ilb, receptor for(CD32) (FCGR2B),	1	CCACTAATCCTGATGAGGCTGACAAA GTTGGGGCTGAGAACACAATCACC
115	cDNA T-cells	Hs.62954	J04755		ferritin H processed pseudogene, complete cds /cds=UN	1	TGTTGGGGTTTCCTTTACCTTTTCTAT AAGTTGTACCAAAACATCCACTT
116	cDNA T-cells	Hs.279581	AK000575		FLJ20568 fis, clone REC00775 /cds=(6,422)	1	CAGAGTAGGCATCTGGGCACCAAGA CCTTCCCTCAACAGAGGACACTGAG
117	cDNA T-cells	Hs.279930	V00522	32122	encoding major histocompatibility complex gene	1	CTTTGCCTAAACCCTATGGCCTCCTG TGCATCTGTACTCACCCTGTACCA
118	cDNA T-cells	Hs 181357	NM_002295	9845501	protein SA)	1	GGCCACTGAATGGGTAGGAGCAACC ACTGACTGGTCTTAAGCTGTTCTTG
119	cDNA T-cells	Hs.283722	NM_020151		GTT1 protein (GTT1), mRNA /cds=(553,1440) /gb	1	TGATTCTGCACTTGGGGTCTGTCTGT ACAGTTACTCATGTCATTGTAATG
120	cDNA T-cells	Hs.78961	NM_014110		PRO2047 protein (PRO2047), mRNA /cds=(798,968	1	TGTGTAATAGGCCTTTTCATGCTTTAT GTGTAGCTTTTTACCTGTAACCT
121	cDNA T-cells	Hs.334853	NM_006013		cDNA DKFZp762B195 (from clone DKFZp762B195)	1	AAGTTATCATGTCCATCCGCACCAAG CTGCAGAACAAGGAGCATGTGATT
122	cDNA T-cells	Hs.334853	NM_006013		Complement cDNA DKFZp762B195 (from clone DKFZp762B195)	-1	AAGTTATCATGTCCATCCGCACCAAG CTGCAGAACAAGGAGCATGTGATT
123	cDNA T-cells	Hs.284283	U90552		butyrophilin (BTF5) mRNA, complete cds /cds=(359,190	1	TGGTGGATGTTAAACCAATATTCCTTT CAACTGCTGCCTGCTAGGGAAAA
124	cDNA T-cells	Hs 286212	AK021791	10433048	HEMBA1005394, modera	1	TGAACTTGCTGAATGTAAGGCAGGCT ACTATGCGTTATAATCTAATC
125	cDNA T-cells	Hs.287369	NM_020525	10092624	50 interleukin 22 (IL22), mRNA /cds=(71,610) /gb	1	ATTTGACCAGAGCAAAGCTGAAAAAT GAATAACTAACCCCCTTTCCCTGC
126	cDNA T-cells	Hs.287369	NM_020525	10092624	60 interleukin 22 (IL22), mRNA /cds=(71,610) /gb	1	GCAATTGGAGAACTGGATTTGCTGTT TATGTCTCTGAGAAATGCCTGCATTT GACCAGAG
127	cDNA T-cells	Hs.287369	NM_020525	10092624	70 interleukin 22 (IL22), mRNA /cds=(71,610) /gb	1	TTTGACCAGAGCAAAAGCTGAAAAATG AATAACTAACCCCCTTTCCCTGCTAG AAATAACAATTAGATGCC
128	cDNA T-cells	Hs.288061	NM_001101	5016088	actin, beta (ACTB),	1	CCCTTTTTGTCCCCCAACTTGAGATG TATGAAGGCTTTTGGTCTCCCTGG
129	cDNA T-cells	Hs.315054	NM_032921	14249707	hypothetical protein MGC15875 (MGC15875),	1	ATTAGACCAGACCAGTGTATTTCTAA AGAAAATCCTGACATGCACACCCA
130	cDNA T-cells	Hs.289088	NM_005348	13129149	heat shock 90kD protein 1, alpha (HSPCA),	1	GACCCTACTGCTGATGATACCAGTGC TGCTGTAACTGAAGAAATGCCACC
131	cDNA T-cells	Hs.29052	AK000196	7020122	FLJ20189 fis, clone COLF0657 /cds=(122,84	1	ACAGGCAAAGTGACAGGGGAAAAGG AATTAGTCTAAGAGTAAGGGGATGA
132	cDNA T-cells	Hs.291129	AA837754	2912953	oe10d02.s1 cDNA /clone=IMAGE:1385475 /gb=AA	1	CTTTCCTCTTGCTGCTGGGGCCTAGG TCTTCTTGCTGCTGCTTCCTTTTC
133	cDNA T-cells	Hs.292590	D59502	960608	HUM041H11A cDNA, 3' end /clone=GEN-041H11 /cl	1	AGAGTTTTTGTTGGTAGACTGGAGCT GGGATGTTGAATCAACCTCAGGCA
134	cDNA T-cells	Hs.292590	D59502	960608	Complement HUM041H11A cDNA, 3' end /clone=GEN-041H11 /cl	-1	TGCCTGAGGTTGATTCAACATCCCAG CTCCAGTCTACCAACAAAAACTCT
135	cDNA T-cells	Hs.99858	X61923	36646	Ribosomal protein L7a Gene with exons / introns	1	CTGACGATCAGCTTGGAACAGCCAAA CAGAATTAACGCAACTAATAACCT
136	cDNA T-cells	Hs.323463	AL050141	4884352	CDNA DKFZp586O031 (from clone DKFZp586O0	1	TCCTTTTATGCATTGGAGGAAAAACA TGTTGGCTTTTCTCTTGACGTGGG
137	cDNA T-cells	Hs.323463	3 AL050141	4884352	Complement cDNA DKFZp586O031 (from clone DKFZp586O1	-1	CCCACGTCAAGAGAAAAGCCAACATG TTTTTCCTCCAATGCATAAAAGGA
138	cDNA T-cells	Hs.323822	2 AB046771		for KIAA1551 protein, partial cds /cds=(0	1	CTCAGGAAACCCGACAGAAGAAACAT GTAACACAGAACTCACGTCCACTA
139	cDNA T-cells	NA	AF347015		Mitochondial DNA, chyochrome B gene	1	ACTCGAGACGTAAATTATGGCTGAAT CATCCGCTACCTTCACGCCAATGG
140	cDNA T-cells	Hs.30035	U61267		5 putative splice factor transformer2- beta mRN	1	TGCTGTTTTCATTCTGCATTTGTGTAG TTTGGTGCTTTGTTCCAAGTTAA
141	cDNA T-cells	Hs.30909	NM_019081	11464998	3 KIAA0430 gene product (KIAA0430), mRNA /cds=(1	AAAAATGACAAAAGTTATCACCAAAA CCCCCTTTCCCATCTTGCACTGTT

Table 8

					Table o		
142	cDNA T-cells	Hs 3195	NM_002995	4506852	sapiens small inducible cytokine subfamily C, member 1 (lymphotactin)	1	AGCTTTTAATGCTCCAAATGCTGACC CATGCAATATTTCCTCATGTGATC
143	cDNA T-cells	Hs 322645	AL050376	4914609	mRNA; cDNA DKFZp586J101 (from clone DKFZp586J1	1	AAAAGAAATGCAGGTTTATTATCCAG CACTGAGAGAGTTAACAAGGACTG
144	cDNA T-cells	Hs 324481	AL050376	4914609	Complement mRNA; cDNA DKFZp586J101 (from clone	-1	AGAGAGACTTCTCATTGGCTGTGAAG GTAGAGCTTTTGGGGAAATTCCTG
145	cDNA T-cells	Hs.324481	AW968541	8158382	Complement EST380617 cDNA /gb=AW968541 unknown coding strand	-1	CAGGAATTTCCCCAAAAGCTCTACCT TCACAGCCAATGAGAAGTCTCTCT
146	cDNA T-cells	Hs.324481	AW968541	8158382	EST380617 cDNA /gb=AW968541 unknown coding strand	1	AGAGAGACTTCTCATTGGCTGTGAAG GTAGAGCTTTTGGGGAAATTCCTG
147	cDNA T-cells	Hs 327	NM_001558	4504632	interleukin-10 receptor mRNA, complete IL10RA	1	CATCTCAGCCCTGCCTTTCTCTGGAG CATTCTGAAAACAGATATTCTGGC
148	cDNA T-cells	Hs.32970	NM_003037	4506968	signaling lymphocytic activation molecule (S	1	TCATGATAACCTGCAGACCTGATCAA GCCTCTGTGCCTCAGTTTCTCTCT
149	literature	Hs 334687	NM_000569	12056966	Fc fragment of IgG, low affinity Illa, receptor for (CD16) (FCGR3A)	1	ATGGGGGTAATAAGAGCAGTAGCAG CAGCATCTCTGAACATTTCTCTGGA
150	cDNA T-cells	Hs.303649	M26683		interferon gamma treatment inducible mRNA Monocytes	1	GAAATTGCTTTTCCTCTTGAACCACA GTTCTACCCCTGGGATGTTTTGAG
151	cDNA T-cells	Hs.105938	X53961	34415	lactoferrin /cds=(294,2429) Neutrophils	1	AATTCCTCAGGAAGTAAAACCGAAGA AGATGGCCCAGCTCCCCAAGAAAG
152	cDNA T-cells	Hs.36	D12614	219911	lymphotoxin (TNF-beta), complete cds T-cells, B-cells	1	AACATCCAAGGAGAAACAGAGACAG GCCCAAGAGATGAAGAGTGAGAGGG
153	cDNA T-cells	Hs.278670	AB034205	6899845	Acid-inducible phosphoprotein	1	TCGTGTGAATCAGACTAAGTGGGATT TCATTTTTACAACTCTGCTCTACT
154	cDNA T-cells	Hs.3886	NM_002267	4504898	karyopherin alpha 3 (importin alpha 4) (KPNA3)	1	GCATATACAAGTTGGAAGACTAAAGA GGTGCAATGTGATCTGAGCCTCCA
155	cDNA T-cells	Hs.394	NM_001124	4501944	•	1	TGAGTGTGTTTGTGTGCATGAAAGAG AAAGACTGATTACCTCCTGTGTGG
156	literature	Hs.40034	NM_000885		integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor) (ITGA4)	1	AGCTGTTCCCAAATTTTCTAACGAGT GGACCATTATCACTTTAAAGCCCT
157	cDNA T-cells	Hs.41724	NM_002190	,	interleukin 17 (cytotoxic T-lymphocyte- associated serine esterase 8)	1	ATCAACAGACCAACATTTTTCTCTTCC TCAAGCAACACTCCTAGGGCCTG
158	cDNA T-cells	Hs.44163	NM_018838	10092656	protein (L	1	TATGACTGATGATCCTCCAACAACAA AACCACTTACTGCTCGTAAATTCA AAAATACTGATGTTCCTAGTGAAAGA
159	cDNA T-cells	Hs.44926	X60708	35335	peptidase IV /cds=(75	1	GGCAGCTTGAAACTGAGATGTGAA GGAAGACTTTAAACCACCTAGTTCTC
160	literature	Hs.46	D10202	219975	•	1	CCACTGGGGCATCGGTCTAAAGCT CCCTGTTCCACAAACCCATATGTATC
161	cDNA T-cells	Hs.48433	NM_014345		endocrine regulator (HRIHFB2436), mRNA /cds=	1	CTTTCCTCAACCTCCTCCTTTCCC GTGTGTGAGTGTGAGTGTGAGCGAG
162	cDNA T-cells	Hs.50002	AB000887		for EBI1-ligand chemokine, complete cds	1	AGGGTGAGTGTGGTCAGAGTAAAGC TCTGGTCATTCAAGGATCCCCTCCCA
163	cDNA T-cells	Hs.50404	U86358		cds /cds=(0,452) /gb	1	AGGCTATGCTTTTCTATAACTTTT GGCAGCTCAGGACCACTCCAATGAC
164		Hs 50964	NM_001712		carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1) chemokine (C-C motif) receptor 1	1	CCACCTAACAAGATGAATGAAGTTA TGTTCTTCATCTAAGCCTTCTGGTTTT
165		Hs.301921	_		(CCR1), 3 CD81 antigen (target of antiproliferative	1	ATGGGTCAGAGTTCCGACTGCCA GCCTTCATGCACCTGTCCTTTCTAAC
	cDNA T-cells	Hs.54457	NM_004356		antibody 1) eotaxin precursor mRNA, complete cds	1	ACGTCGCCTTCAACTGTAATCACA CCCTCTCCTCTCCTC
167		Hs.54460	U46573		/cds=(53,346) / 7 glycine C-acetyltransferase (2-amino-	1	CTTGTAAAGGTCCTGGCAAAGATG CTGGGCTGGGACGTGACCTGTGCTG
168		Hs.54609	NM_014291 NM_004446		3-keto 3 glutamyl-prolyl-tRNA synthetase	1	AGGGCTGTGAGAATGTGAAACAACA GGGATGAACGAAAGCCCCCTCTTCAA
169			NM_022898	12597634	(EPRS), mRN	1	CTCCTCTCACTTTTTAAAGCATTG ACAATGTTGAGTTCAGCATGTGTCTG
170 171			NM 004863		(BCL11B), mRNA 7 serine palmitoyltransferase, long chain	1	CCATTTCATTTGTACGCTTGTTCA TTTCAGTCCCAGAACCTACAGATACC
172			NM 020240		base subunit 2 (SPTLC2) 7 non-kinase Cdc42 effector protein	1	CTGCTACTTGCTTCACGTGGATGC AATTCAGTTAGCTCCATTCAGAACCA
173			BG929114		SPEC2 (LOC56990), 7 Does not hit the NM_ numbers two	1	AATGCAGTCCAAGGGAGGTTATGG CCCATCTTACAGAAGTTGAGGCCAAG
					splice variants. Direction unknown		GGAGAATGGTAGGCACAGAAGAAA
174	4 cDNA T-cells			33950	mRNA, complete cd	1	TGTGTTAAGTGCAGGAGACATTGGTA TTCTGGGCACCTTCCTAATATGCT TGTGTTAAGTGCAGGAGACATTGGTA
17			_		9 coagulation factor III (thromboplastin, tissue factor)(F3), mRNA.	1	TTCTGGGCAGCTTCCTAATATGCT AGCTGTGTTGGTAGTGCTGTTGAA
17		Hs.624	NM_000584		7 interleukin 8 (IL8),		TTACGGAATAATGAGTTAGAACTA TGTTGGGGTTTCCTTTACCTTTTCTAT
17	7 literature	Hs.62954	NM_002032	450379	4 50 ferritin, heavy polypeptide 1 (FTH1), mRNA /c	1	AAGTTGTACCAAAACATCCACTT

Table 8

178	literature	Hs.62954	NM_002032	4503794	60 ferritin, heavy polypeptide 1 (FTH1), mRNA /c	1	TGCATGTTGGGGTTTCCTTTACCTTTT CTATAAGTTGTACCAAAACATCCACTT AAGTTC
179	literature	Hs 62954	NM_002032	4503794	70 ferritin, heavy polypeptide 1 (FTH1), mRNA /c	1	TGTTGGGGTTTCCTTTACCTTTTCTAT AAGTTGTACCAAAACATCCACTTAAG TTCTTTGATTTGTACCA
180	literature	Hs 652	NM_000074	4557432	tumor necrosis factor (ligand)	1	TCTACCTGCAGTCTCCATTGTTTCCA GAGTGAACTTGTAATTATCTTGTT
181	cDNA T-cells	Hs 66053	AB051540	12698050	superfamily, member 5, TNFSF5 mRNA for KIAA1753 protein, partial	1	GTGTGCGTGTGTGTGCCTGTCCA
182	cDNA T-cells	Hs 66151	AL157438	7018513	cds /cds=(0 mRNA; cDNA DKFZp434A115 (from	1	GTGTATATTGTGTCTTAGCTTCCAT CTGAAGGGAAGAGAGCCTTGAATAG
183	cDNA T-cells	Hs.6975	NM_014086	7662589	clone DKFZp434A1 PRO1073 protein (PRO1073),	1	ACTGAAGCGAAGACGGTTCTGCAAG TTCTCTGCATCTAGGCCATCATACTG
		Hs.70186	NM_003169		suppressor of Ty (S.cerevisiae) 5	1	CCAGGCTGGTTATGACTCAGAAGA CTTCCTGTACCTCCTCCCACAGCTT
184	cDNA T-cells		N21089		homolog (SUP IMAGE:265324 Foreskin 3' read 2.0 kb	1	GCTTTTGTTGTACCGTCTTTCAAT AACCTGCACAAGCATGTAATAAAAGA
185	cDNA T-cells	Hs.70258				-1	GCACACTTAAAAACATTCTGACCA TGGTCAGAATGTTTTTAAGTGTGCTC
186	cDNA T-cells	Hs.70258	N21089		Complement IMAGE:265324 Foreskin 3' read 2.0 kb		TTTTATTACATGCTTGTGCAGGTT
187	cDNA T-cells	Hs.70258	AA743863		IMAGE:1308639 5' read, perfect hit.	1	CCTTCTGAAGGTGTATAGATACAGCT TGTCTTGAAATGTCTTTCTCCACA
188	cDNA T-cells	Hs.70258	AA743863	2783214	Complement IMAGE:1308639 5' read, perfect hit.	-1	TGTGGAGAAAGACATTTCAAGACAAG CTGTATCTATACACCTTCAGAAGG
189	cDNA T-cells	Hs.72918	NM_002981	4506832	small inducible cytokine A1 (I-309, homologous to mouse Tca-3) (SCYA1)	1	TGCTAGGTCACAGAGGATCTGCTTGG TCTTGATAAGCTATGTTGTTGCAC
190	cDNA T-cells	Hs.73165	U64198	1685027	II-12 receptor beta2 mRNA, complete cds /cds=(640,322	1	CTAGAGGACCATTCATGCAATGACTA TTTCTAAAGCACCTGCTACACAGC
191	cDNA T-cells	Hs.737	NM_004907	4758313	immediate early protein (ETR101),	1	GGGAGTTTCTGAGGGTCTGCTTTGTT TACCTTTCGTGCGGTGGATTCTTT
192	cDNA T-cells	Hs.73742	NM_001002	4506666	mRNA /cds=(ribosomal protein, large, P0 (RPLP0),	1	TCGGAGGAGTCGGACGAGGATATGG GATTTGGTCTCTTTGACTAATCACC
193	cDNA T-cells	Hs.73792	J03565	181919	Epstein-Barr virus complement receptor	1	TTCCTTCCTCGGTGGTGTTAATCATTT
194	cDNA T-cells	Hs 73798	NM_002415	4505184	type II(cr2) macrophage migration inhibitory factor	1	CGTTTTTACCCTTTACCTTCGGA GTCTACATCAACTATTACGACATGAA
195	cDNA T-cells	Hs.738	NM_003973	4506600	(MIF) ribosomal protein L14 (RPL14), mRNA	1	CGCGGCCAATGTGGGCTGGAACAA CAGAAGGGTCAAAAAGCTCCAGCCC
196	cDNA T-cells	Hs.73800	- NM_003005	6031196	/cds=(17,6 selectin P (granule membrane protein	1	AGAAAGCACCTGCTCCAAAGGCATC GACCTTCCTGCCACCAGTCACTGTCC
			D90144		140kD, antigen CD62) (SELP) LD78 alpha precursor, complete cds /c	1	CTCAAATGACCCAAAGACCAATAT GAGATGGGGAGGGCTACCACAGAGT
197	cDNA T-cells	Hs.73817				1	TATCCACTTTACAACGGAGACACAG ATGGGTTTGGCTTGAGGCTGGTAGCT
198	cDNA T-cells	Hs.73818	NM_006004		ubiquinol-cytochrome c reductase hinge prote		TCTATGTAATTCGCAATGATTCCA CATCCCTCCATGTACTCTGGGTATCA
199	cDNA T-cells	Hs.73839	NM_002935	4506550	(eosinophil cationic protein) (RNASE3)	1	GCAACTGTCCTCATCAGTCTCCAT
200	cDNA T-cells	Hs.73917	M13982	186334	interleukin 4 (IL-4) mRNA	1	ACCTTACAGGAGATCATCAAAACTTT GAACAGCCTCACAGAGCAGAAGAC
201	cDNA T-cells	Hs.74011	NM_002286	11693297	lymphocyte-activation gene 3 (LAG3),	1	GAGAAGACAGTGGCGACCAAGACGA TTTTCTGCCTTAGAGCAAGGGATTC
202	cDNA T-cells	Hs.74085	X54870	35062	NKG2-D gene /cds=(338,988) /gb=X54870 /gi=3	1	CAGGGGATCAGTGAAGGAAGAAG GCCAGCAGATCAGTGAGAGTGCAAC
203	cDNA T-cells	Hs 74335	NM_007355	6680306	heat shock 90kD protein 1, beta (HSPCB), mRNA /	1	CCCATTCCCTCTCTACTCTTGACAGC AGGATTGGATGTTGTGTATTGTGG
204	cDNA T-cells	Hs.74621	NM_000311	4506112	prion protein (p27-30) (Creutzfeld- Jakob dis	1	ACTTAATATGTGGGAAACCCTTTTGC GTGGTCCTTAGGCTTACAATGTGC
205	cDNA T-cells	Hs.75249	D31885	505097	ADP-ribosylation factor-like 6 interacting	1	AAAATACAAGGGCTGTTGGTGAGAGC AGACTTGAGGTGATGATAGTTGGC
206	cDNA T-cells	Hs.75348	NM_006263	5453989	protein proteasome (prosome, macropain)	1	CCAGATTTTCCCCAAACTTGCTTCTG TTGAGATTTTTCCCTCACCTTGCC
207	cDNA T-cells	Hs.75545	X52425	3383	activator subunit 1 (PA28 alpha) 3 interleukin 4 receptor	1	ACCTTGGGTTGAGTAATGCTCGTCTG TGTGTTTTAGTTTCATCACCTGTT
208	cDNA T-cells	Hs.75596	NM_000878	4504664	interleukin 2 receptor, beta (IL2RB),	1	AAACTCCCCTTTCTTGAGGTTGTCTG AGTCTTGGGTCTATGCCTTGAAAA
209	literature	Hs.75613	M24795	17867	CD36 antigen mRNA	1	CTCAGTGTTGGTGTGGTGATGTTTGT
210	cDNA T-cells	Hs 75678	NM_006732	580301	6 FBJ murine osteosarcoma viral	1	TGCTTTTATGATTTCATATTGTGC CTGTATCTTTGACAATTCTGGGTGCG
211		Hs.75703	J04130	17801	oncogene homolo 7 50 activation (Act-2) mRNA, complete	1	AGTGTGAGAGTGTGAGCAGGGCTT GATAAGTGTCCTATGGGGATGGTCCA
212		Hs 75703			cds /cds=(108,386) 60 activation (Act-2) mRNA, complete cds /cds=(108,386)	1	CTGTCACTGTTTCTCTGCTGTTGC TTTAGCCAAAGGATAAGTGTCCTATG GGGATGGTCCACTGTCACTGTTTCTC
							TGCTGTTG

Table 8

213	cDNA T-cells	Hs.75703	J04130		70 activation (Act-2) mRNA, complete cds /cds=(108,386)	1	ATTTATATTAGTTTAGCCAAAGGATAA GTGTCCTATGGGGATGGTCCACTGTC ACTGTTTCTCTGCTGTT
214	cDNA T-cells	Hs 75968	NM_021109	11056060	thymosin, beta 4, X chromosome (TMSB4X), mRNA	1	GAAGGAAGAAGTGGGGTGGAAGAAG TGGGGTGGGACGACAGTGAAATCTA
215	cDNA T-cells	Hs.76506	NM_002298	7382490	lymphocyte cytosolic protein 1 (L- plastin) (L	1	CCATCAATGAGGTATCTTCTTTAGTG GTGGTATGTAATGGAACTTAGCCA
216	cDNA T-cells	Hs 76640	NM_014059	7662650	RGC32 protein (RGC32), mRNA /cds=(146,499) /g	1	AAAGACGTGCACTCAACCTTCTACCA GGCCACTCTCAGGCTCACCTTAAA
217	cDNA T-cells	Hs.76753	NM_000118	4557554	endoglin (Osler-Rendu-Weber syndrome 1) (ENG),	1	CCAAGCTGCTTGTCCTGGGCCTGCC CCTGTGTATTCACCACCAATAAATC
218	cDNA T-cells	Hs 77039	NM_001006	4506722	ribosomal protein S3A (RPS3A), mRNA /cds=(36,8	1	CACTGGGGACGAGACAGGTGCTAAA GTTGAACGAGCTGATGGATATGAAC
219	literature	Hs 77318	L13385	349823	Miller-Dieker lissencephaly protein (LIS1)	1	CGTTGCTGAAGTGGTAATTGAGGAAA ACAGTTCCCCAGATTGTTAAGAGT
220	cDNA T-cells	Hs.77424	X14356	31331	high affinity Fc receptor (FcRI) /cds=(36,116	1	CTCCCCGTGAGCACTGCGTACAAACA TCCAAAAGTTCAACAACACCAGAA
221	cDNA T-cells	Hs 77502	BC001854	12804818	, methionine adenosyltransferase II, alpha, c	1	AGTGCCTTTCAGGATCTATTTTTGGA GGTTTATTACGTATGTCTGGTTCT
222	cDNA T-cells	Hs.77729	NM_002543	4505500	oxidised low density lipoprotein (lectin- like	1	AGAACAAACTAAGCCAGGTATGCAAA TATCGCTGAATAGAAACAGATGGA
223	cDNA T-cells	Hs.77729	AB010710	2828355	lectin-like oxidized LDL receptor	1	AGAACAAACTAAGCCAGGTATGCAAA TATCGCTGAATAGAAACAGATGGA
224	cDNA T-cells	Hs 78146	M28526	189775	platelet endothelial cell adhesion molecule (PECAM-1)	1	GCAATTCCTCAGGCTAAGCTGCCGGT TCTTAAATCCATCCTGCTAAGTTA TCCTGGTGGCTCTTTGTGGAGGAAAC
225	cDNA T-cells	Hs.78225	NM_000700	4502100	/cds=(74,1114) /gb=N	1	TAAACATTCCCTTGATGGTCTCAA CTTTGGGTTGGAGCTGTTCCATTGGG
226	literature	Hs.785	NM_000419		integrin, alpha 2b (platelet glycoprotein lib	1	TCCTCTTGGTGTCGTTTCCCTCCC AGAAAAAGCTTGGGTTAACTCAGTAG
227	cDNA T-cells	Hs.78713	NM_002635	4505774	carri	1	TTAGATCAAAGCAAATGTGGACTG ACAGATGTAGCAACATGAGAAACGCT
228	cDNA T-cells	Hs.78864	M31932	182473	(FcRIIa) mRNA, c	1	TATGTTACAGGTTACATGAGAGCA TGTTTAATGGTAGTTTTACAGTGTTTC
229	cDNA T-cells	Hs.789	X54489		melanoma growth stimulatory activity (MGSA) proliferating cell nuclear antigen	1	TGGCTTAGAACAAAGGGGCTTAA TGCCAGCATATACTGAAGTCTTTTCT
230	literature	Hs.78996	BC000491	12653440		1	GTCACCAAATTTGTACCTCTAAGT GCTGCATATGAGTAAAGTTACCCCAA
231	cDNA T-cells	Hs.79008	NM_012245	6912675	(SNW1), mRNA /cds=(2 Gem GTPase (gem) mRNA, complete	1	CCACAGTGAGGAGGAAGATGTTCA AAACCTCCAGTACTTTGGTTGACCCT
232	cDNA T-cells	Hs.79022	U10550		cds /cds=(213,1103) / nucleolin (NCL),	1	TGTATGTCACAGCTCTGCTCTATT ACCTGATCAATGACAGAGCCTTCTGA
233	cDNA T-cells	Hs.79110	NM_005381		CD83 antigen (activated B	1	GGACATTCCAAGACAGTATACAGT GCCCTTCCCTTCTTGGTTTCCAAAGG
234	cDNA T-cells	Hs.79197 Hs.79630	NM_004233 S75217		lymphocytes, immuno mb-1=lgM-alpha	1	CATTTATTGCTGAGTTATATGTTC CTGATTGTAGCAGCCTCGTTAGTGTC
235		Hs.80358	NM_004653		SMC (mouse) homolog, Y	1	ACCCCTCCTCCCTGATCTGTCAG ACCAAAAAGAATAGGGAAAAACAAGA
236		Hs.80420	U84487		chromosome (SMCY), mRNA CX3C chemokine precursor, mRNA,	1	ATTTCATGACTCTACCTGTGGTCT GACTTTTCCAACCCTCATCACCAACG
237		Hs.80617	NM_001020		alternatively splice ribosomal protein S16 (RPS16), mRNA	1	TCTGTGCCATTTTGTATTTTACTA GCTCGCTACCAGAAATCCTACCGATA
238 239		Hs.80642	L78440		/cds=(37,4 STAT4 mRNA, complete cds	1	AGCCCATCGTGACTCAAAACTCAC ACCTGAGTCCCACAACAATTGAAACT
240		Hs.81226	X60992		/cds=(81,2327) /gb=L CD6 mRNA for T cell glycoprotein CD6	1	GCAATGAAGTCTCCTTATTCTGCT AATTGATGAGGATGCTCCTGGGAGG
241		Hs.8128	NM_014338		/cds=(120,152 phosphatidylserine decarboxylase	1	GATGCGTGACTATGTGGTGTTGCAC TGAAATATGGGAAAGTTGCTGCTATT
242		Hs.81564	- NM_002619	4505732	(PISD), platelet factor 4 (PF4), mRNA	1	GATTCAGGGTCTGTCTTGGAGGCA CAACTGATAGCCACGCTGAAGAATGG
243		Hs.81665	X06182	34084	c-kit proto-oncogene mRNA	1	AAGGAAAATTTGCTTGGACCTGCA TGTGTAAATACATAAGCGGCGTAAGT
244	cDNA T-cells	Hs.82132	NM_002460	4505286	/cds=(21,2951) /gb=X06182 5 50 interferon regulatory factor 4	1	TTAAAGGATGTTGGTGTTCCACGT AACCCTCCTCCAATGGAAATTCCCGT
245	cDNA T-cells	Hs.82132	NM_002460	450528	(IRF4), mRNA / 60 interferon regulatory factor 4 (IRF4), mRNA /	1	GTTGCTTCAAACTGAGACAGATGG CCTCCAATGGAAATTCCCGTGTTGCT TCAAACTGAGACAGATGGGACTTAAC AGGCAATG
246	6 cDNA T-cells	Hs.82132	NM_002460	450528	70 interferon regulatory factor 4 (IRF4), mRNA /	1	CCAACCCTCCTCCAATGGAAATTCCC GTGTTGCTTCAAACTGAGACAGATGG GACTTAACAGGCAATGGG
247	fiterature	Hs 82359	X63717	2874	1 APO-1 cell surface antigen /cds=(220,122	1	AATCATCATCTGGATTTAGGAATTGC TCTTGTCATACCCCCAAGTTTCTA
248	3 literature	Hs 82401	NM_001781	450268	CD69 antigen (p60, early T-cell) Activated B & T cells.	1	GCAAGACATAGAATAGTGTTGGAAAA TGTGCAATATGTGATGTG

249	cDNA T-cells	Hs.279841	NM_006296	5454163	vaccinia related kinase 2 (VRK2),	1	TCTCCATCTTGGTATAAATACACTTCC ACAGTCAGCACGGGGATCACAGA
250	cDNA T-cells	Hs.82829	M25393	190740	mRNA /cds=(1 protein tyrosine phosphatase (PTPase) mRNA, complete	1	TCTCCTTACTGGGATAGTCAGGTAAA CAGTTGGTCAAGACTTTGTAAAGA
251	literature	Hs.82848	NM_000655	5713320	selectin L (lymphocyte adhesion molecule 1) (1	ACCCATGATGAGCTCCTCTTCCTGGC TTCTTACTGAAAGGTTACCCTGTA
252	cDNA T-cells	Hs.83077	D49950	1405318	for interferon-gamma inducing activated macrophages	1	TGACATCATATTCTTTCAGAGAAGTG TCCCAGGACATGATAATAAGATGC
253	cDNA T-cells	Hs.83086	L38935	1008845	GT212 mRNA /cds=UNKNOWN	1	ATCAGAAACCGAAGATTAACTACACA GCTCCAGAAGACTCAGACCTCAAA
254	cDNA T-cells	Hs.83583	NM_005731	5031598	/gb=L38935 /gi=100884 actin related protein 2/3 complex, subunit 2 (1	CAGGTTCTTAAGGGATTCTCCGTTTT GGTTCCATTTTGTACACGTTTGGA
255	cDNA T-cells	Hs.83731	NM_001772	4502654	CD33 antigen (gp67) (CD33), mRNA.	1	CTAGAAGATCCACATCCTCTACAGGT CGGGGACCAAAGGCTGATTCTTGG
256	cDNA T-cells	Hs.838	NM_005191	4885122	CD80 antigen (CD28 antigen ligand 1, B7-1 antig	1	CTTCTTTTGCCATGTTTCCATTCTGCC ATCTTGAATTGTCTTGTC
257	literature	Hs.83968	NM_000211	4557885	integrin, beta 2 (antigen CD18 (p95), macrophage antigen 1 (mac-1)	1	CATGGAGACTTGAGGAGGGCTTGAG GTTGGTGAGGTTAGGTGCGTGTTTC
258	literature	Hs.84	D11086	303611	interleukin 2 receptor gamma chain	1	CCCATGTAAGCACCCCTTCATTTGGC ATTCCCCACTTGAGAATTACCCTT
259	cDNA T-cells	Hs.845	U31120	1045451	interleukin-13 (IL-13) precursor gene, activated T cells	1	CTTGGGCCAGACTGTCAGGGTTCAA GGAGGGCATCAGGAGCAGACGGAGA
260	cDNA T-cells	Hs.85258	M12824	339426	T-cell differentiation antigen Leu-2/T8 mRNA	1	CCTCCGCTCAACTAGCAGATACAGG GATGAGGCAGACCTGACTCTCTTAA
261	cDNA T-cells	Hs.85266	X51841	33910	mRNA for integrin beta(4)subunit	1	CAGCGGAACCCTTAGCACCCACATG GACCAACAGTTCTTCCAAACTTGAC
262	literature	Hs.856	NM_000619	10835170	interferon, gamma (IFNG), mRNA T-cells, NK cells	1	ATGCCTGGTGCTTCCAAATATTGTTG ACAACTGTGACTGTACCCAAATGG
263	cDNA T-cells	Hs.87149	M35999	183532	platelet glycoprotein Illa (GPIIIa) mRNA, complete c	1	CCTCTCTCCAAACCCGTTTTCCAACA TTTGTTAATAGTTACGTCTCTCCT
264	cDNA T-cells	Hs.87409	X14787	37464	thrombospondin /cds=(111,3623) /gb=X14787	1	TCATTTGTTGTGTGACTGAGTAAAGA ATTTTTGGATCAAGCGGAAAGAGT
265	cDNA T-cells	Hs.88474	M59979	189886		1	TGAGGATGTAGAGAGAACAGGTGGG CTGTATTCACGCCATTGGTTGGAAG
266	cDNA T-cells	Hs.88820	NM_016649	7705402	HDCMC28P protein (HDCMC28P),	1	GAAATTAAATGGGTTCCAGGTCTTAA AGAAAGTGCAGAAGAGATGGTCAA
267	cDNA T-cells	NA	AQ336195	4143104	cDNA clone IMAGE:4143104 blood 3' read	1	AACCACTATCATCTACGGCACAAACT TGCAAAAGCTGTCCACACCATTTT
268	literature	Hs.89137	X13916	34338	LDL-receptor related protein	1	CCCGTTTTGGGGACGTGAACGTTTTA ATAATTTTTGCTGAATTCTTTACA
269	cDNA T-cells	Hs.89414	AF147204	6002763	chemokine receptor CXCR4-Lo (CXCR4) mRNA, alt	1	TCAGTTTTCAGGAGTGGGTTGATTTC AGCACCTACAGTGTACAGTCTTGT
270	cDNA T-cells	Hs.89476	M16336	180093	T-cell surface antigen CD2 (T11) mRNA, complete cds, c	1	AGCCTATCTGCTTAAGAGACTCTGGA GTTTCTTATGTGCCCTGGTGGACA
271	cDNA T-cells	Hs.89575	M89957	179311	immunoglobulin superfamily member B cell receptor co	1	GAGTAGAAGGACAACAGGGCAGCAA CTTGGAGGGAGTTCTCTGGGGATGG
272	literature	Hs.89679	NM_000586	10835148	50 interleukin 2 (IL2),	1	GTTCTGGAACTAAAGGGATCTGAAAC AACATTCATGTGTGAATATGCAGA
273	literature	Hs.89679	NM_000586	10835148	60 interleukın 2 (IL2),	1	TGGAACTAAAGGGATCTGAAACAACA TTCATGTGTGAATATGCAGATGAGAC
				40005440	70 manufacturin 2 (II 2)	1	AGCAACCA CAGGGACTTAATCAGCAATATCAACG
274	literature	Hs.89679	NM_000586	10835146	70 interleukin 2 (IL2),	•	TAATAGTTCTGGAACTAAAGGGATCT GAAACAACATTCATGTGT
275	cDNA T-cells	Hs.89751	NM_021950	11386186	6 CD20 antigen	1	ACCCATTCCATTTATCTTTCTACAGG GCTGACATTGTGGCACATTCTTAG
276	cDNA T-cells	Hs.89887	D38081	533325	5 thromboxane A2 receptor	1	TGAACCTCCAACAGGGAAGGCTCTGT CCAGAAAGGATTGAATGTGAAACG
277	cDNA T-cells	Hs.93304	U24577	1314245	LDL-phospholipase A2 mRNA, complete cds /cds=(216,15	1	TGAAGGAGATGATGAGAATCTTATTC CAGGGACCAACATTAACACAACCA
278	cDNA T-cells	Hs.93649	NM_003367	4507846	s upstream transcription factor 2, c-fos intera	1	CTCTCTGGAGGTACTGAGACAGGGT GCTGATGGGAAGGAGGGGAGCCTTT
279	literature	Hs.93913	X04430	32673	3 IFN-beta 2a mRNA for interferon-beta- 2, T-cells, macrophages	1	CTCTTCGGCAAATGTAGCATGGGCAC CTCAGATTGTTGTTGTTAATGGGC
280	cDNA T-cells	Hs.960	NM_000590	10834979	interleukin 9 (IL9),	1	TTCCAGAAAGAAAAGATGAGAGGGAT GAGAGGCAAGATATGAAGATGAAA
281	cDNA T-cells	Hs.96023	M28170	86262	2 cell surface protein CD19 (CD19) gene, Most B cells	1	GGCCAGCCTGGACCCAATCATGAGG AAGATGCAGACTCTTATGAGAACAT
282	2 cDNA T-cells	Hs 96487	BF222826	1113000	3 ESTs, Highly similar to S08228 ribosomal protein S2, cytosolic	1	AATGTTTGCCCAGAATAAAGAAAATA AGCTTTGCACACACTCTCAATTCT
283	3 cDNA T-cells	Hs 9663	NM_013374	701948	programmed cell death 6-interacting protein (PDCD6IP),	1	GGGAAAGAAATACCAACCCTGCAATA AGTGTACTAAACTCTACGCTCTGG
284	cDNA T-cells	Hs.96731	AB014555	332712		1	CACCAGCGCCTTGGCTTTGTGTTAGC ATTTCCTCCTGAAGTGTTCTGTTG

Table 8

285	literature	Hs 99863	NM_001972	4503548	elastase 2, neutrophil (ELA2),	1	ACATCGTGATTCTCCAGCTCAACGGG TCGGCCACCATCAACGCCAACGTG
286	cDNA T-cells	Hs 99899	NM_001252		tumor necrosis factor (ligand)	1	AGCTACGTATCCATCGTGATGGCATC TACATGGTACACATCCAGGTGACG
287	literature	Hs 169476	NM_002046	7669491	superfamily, member 7(TNFSF7) 50 Glyceraldehyde-3-phosphate	1	CCACACTGAATCTCCCCTCCTCACAG TTGCCATGTAGACCCCTTGAAGAG
288	literature	Hs 169476	NM 002046		dehydrogenase 60 Glyceraldehyde-3-phosphate	1	CAGTCCCCCACCACACTGAATCTCCC
200	incrutare.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			dehydrogenase		CTCCTCACAGTTGCCATGTAGACCCC TTGAAGAG
289	literature	Hs.169476	NM_002046		70 Glyceraldehyde-3-phosphate	1	CCATGTAGACCCCTTGAAGAGGGGA GGGGCCTAGGGAGCCGCACCTTGTC
					dehydrogenase		ATGTACCATCAATAAAGTAC CTCTTCAAGGGGTCTACATGGCAACT
290	literature	Hs.169476	NM_002046		50 Complement Glyceraldehyde-3- phosphate dehydrogenase	-1	GTGAGGAGGGGAGATTCAGTGTGG
291	literature	Hs.169476	NM_002046	7669491	60 Complemnt Glyceraldehyde-3- phosphate dehydrogenase	-1	CTCTTCAAGGGGTCTACATGGCAACT GTGAGGAGGGGGAGATTCAGTGTGGT
					, , , , ,	-1	GGGGGACTG GTACTTTATTGATGGTACATGACAAG
292	literature	Hs.169476	NM_002046	7669491	70 Complement Glyceraldehyde-3- phosphate dehydrogenase	-1	GTGCGGCTCCCTAGGCCCCTCCCCT
293	literature	Hs.182937	NM_021130	10863926	50 peptidylprolyl isomerase A	1	CTTCAAGGGGTCTACATGG TTTCCTTGTTCCCTCCCATGCCTAGC
293	nicialure	113, 102301	14III_021100		(cyclophilin A), clone		TGGATTGCAGAGTTAAGTTTATGA TTTCCTTGTTCCCTCCCATGCCTAGC
294	literature	Hs.182937	NM_021130	10863926	60 peptidylprolyl isomerase A (cyclophilin A), clone	1	TGGATTGCAGAGTTAAGTTTATGATT
295	literature	Hs 182937	NM_021130	10863926	70 peptidylprolyl isomerase A	1	ATGAAATA GTTCCATGTTTTCCTTGTTCCCTCCC
295	literature	115 102501	14IN_021100	10000020	(cyclophilin A), clone		ATGCCTAGCTGGATTGCAGAGTTAAG TTTATGATTATGAAATAA
296	literature	Hs.182937	NM_021130	10863926	50 complement peptidylprolyl	-1	TCATAAACTTAACTCTGCAATCCAGC
290	literature	113.102307	14M_02 / 100		isomerase A (cyclophilin A), clone		TAGGCATGGGAGGGAACAAGGAAA
297	literature	Hs.182937	NM_021130	10863926	60 complement peptidylprolyl isomerase A (cyclophilin A), clone	-1	TATTTCATAATCATAAACTTAACTCTG CAATCCAGCTAGGCATGGGAGGGAA
							CAAGGAAA
298	literature	Hs.182937	NM_021130	10863926	70 complement peptidylprolyl isomerase A (cyclophilin A), clone	-1	TTATTTCATAATCATAAACTTAACTCT GCAATCCAGCTAGGCATGGGAGGGA
					Isomerase A (cyclopinin A), Gone		ACAAGGAAAACATGGAAC
299	literature	Hs.288883	NM_005877	5032086	mRNA for splicing factor (SF3A1) (120kD)	1	GTCATCCACCTGGCCCTCAAGGAGA GAGGCGGGAGGAAGAAGTAGACAAG
300	literature	Hs.12084	NM_003321	4507732	Tu translation elongation factor,	1	TGACTGAGGAGGAGAAGAATATCAAA TGGGGTTGAGTGTGCAGATCTCTG
301	literature	Hs.75887	NM_004371	6996002	mitochondrial (TUFM) coatomer protein complex, subunit	1	TGGTTTTCCAAAATGCACACTGCGGG
301	illerature	115.7 5007	-		alpha (COPA)		TTATTGATTTGTTCTTTACAACTA ACTGTCAGCATGTTGTTGTTGAAGTG
302	literature	Hs.182278	NM_001743	4502548	calmodulin 2 (phosphorylase kinase, delta) (CALM2),	1	TGGAGTTGTAACTCTGCGTGGACT
303	literature	Hs.2795	NM_005566	5031856	mRNA for lactate dehydrogenase-A (LDH-A, EC 1.1.1.27)	1	TGAGTCACATCCTGGGATCCAGTGTA TAAATCCAATATCATGTCTTGTGC
304	literature	Hs.1708	NM_005998	5174726	chaperonin containing TCP1, subunit 3	1	GTTCTGCTACTGCGAATTGATGACAT CGTTTCAGGCCACAAAAAGAAAGG
305	literature	Hs.75428	NM 000454	4507148	(gamma) (CCT3), superoxide dismutase (SOD-1) mRNA,	1	ACATTCCCTTGGATGTAGTCTGAGGC
		Hs.2271	- NM_001955	4503460	complete cds Arabidopsis endothelin-1 (EDN1)	1	CCCTTAACTCATCTGTTATCCTGC ACTGGCTTCCATCAGTGGTAACTGCT
306			_		Arabidopsis CAB photosystem 1	1	TTGGTCTCTTCTTTCATCTGGGGA CCATTGGAGAACTTGGCAACTCACTT
307	literature	NA	X56062		chlorophyll a/b-binding protein (500 bp)		GGCGGATCCATGGCACAACAACAT
308	literature	NA	X14212	16470	Arabidopsis RCA RUBISCO activase (513)	1	TTTTCTCCTTTGTGTAATTGTGGATTG GATCTTGTCCTCTTTTGTTCCCT
309	literature	NA	U91966	1928871	Arabidopsis RBCL ribulose-1,5- biophosphate carboxylase/oxygenase	1	TATTCTTTCGTGTCAGGGCTTGAACC AAGTATCCCCGCTTCTTCTACCCC
					large subunit		
310	literature	NA	AF159801	8571922	Arabidopsis lipid trnasfer protein 4 (527)	1	CATCAAGTGAAGTGGGGAATAACGAC ATCATTTGCCTGAAGAGTATGGTT
311	literature	NA	AF159803	8571926	Arabidopsis lipid transfer protein 6 (477)	1	AATGAGGGCATTGGTTTGCTAGTTGC TAATTGATCAGTGATGTATTGTCA
312	literature	NA	AF191028	6708182	Arabidopsis papain-type cysteine	1	TGGAATCAACAAGATGGCTTCTTTCC CCACCAAAACTAAGTGATCATCAG
313	literature	NA	AF168390	6137137	endopepetidase (507) ' Arabidopsis root cap 1 (533)	1	TGGACCGTAATGAATGAATGTACACG
314		NA	AF198054		5 Arabidopsis NAC1 (457)	1	CCATAAACGCCCTTTGTTCAAGCA CCTCACTCTTGTACCCACGGTAGATT
			AF247559		Arabidopsis triosphosphate isomerase	1	CATGTAAAATACCACTTATGACGC GGTTAGCGACCTTGTTGTTGTTGTTG
315		NA			(498)		TGTTCTTACATCTTCTTCTTGAAC GGCGAAAAGGACGGTCTTGCTTGTTT
316	6 literature	NA	X58149		 Arabidopsis PRKase gene for ribulose-5- phosphate kinase (497) 		GTAATTTGTGTGGAGATAAAAAGA
317	7 literature	Hs.28806	1 NM_001101	5016088	actin, beta (ACTB),	1	CCCTTTTTGTCCCCCAACTTGAGATG TATGAAGGCTTTTGGTCTCCCTGG

Table 8

318	literature	Hs 77356	XM_002788	4507456	50 Transferrin receptor	1	TGAAATATCAGACTAGTGACAAGCTC CTGGTCTTGAGATGTCTTCTCGTT
319	literature	Hs 77356	XM_002788	4507456	60 Transferrin receptor	1	GGTTGAGTTACTTCCTATCAAGCCAG TACCGTGCTAACAGGCTCAATATTCC
320	literature	Hs.77356	XM_002788	4507456	70 Transferrin receptor	1	TGAATGAA GTTGAGTTACTTCCTATCAAGCCAGT ACCGTGCTAACAGGCTCAATATTCCT
321	literature	Hs.77356	XM_002788	4507456	50 Complement Transferrin receptor	-1	GAATGAAATATCAGACTA AACGAGAAGACATCTCAAGACCAGGA GCTTGTCACTAGTCTGATATTTCA
322	literature	Hs.77356	XM_002788	4507456	60 Complement Transferrin receptor	-1	TTCATTCAGGAATATTGAGCCTGTTA GCACGGTACTGGCTTGATAGGAAGTA
323	literature	Hs 77356	XM_002788	4507456	70 Complement Transferrin receptor	-1	ACTCAACC TAGTCTGATATTTCATTCAGGAATATT GAGCCTGTTAGCACGGTACTGGCTT
324	Tabel 3A	NA			36E9	1	GATAGGAAGTAACTCAAC TTTCAAGACAGAAAGTGACGCAGAGA ACCTCCCCGGCCCAGTCTCGACGC
325	Tabel 3A	NA			36E9	-1	GCGTCGAGACTGGGCCGGGGAGGTT CTCTGCGTCACTTTCTGTCTTGAAA
326	Tabel 3A	NA			47D11	1	CCTAGACACCTGCATCAGTCAAGGTC ATGGATATTGGGAAGACAGACAGC
327	Tabel 3A	NA			47D11	-1	GCTGTCTGTCTTCCCAATATCCATGA CCTTGACTGATGCAGGTGTCTAGG
328	Tabel 3A	NA			53G7	1	AAATAAGAAGAGGAAAGAGAGAGGC CTGCCCTAACCCACTGTTGTGCTGA
329	Tabel 3A	NA			53G7	-1	TCAGCACAACAGTGGGTTAGGGCAG GCCTCTCTTTTCCTCTTCTTATTT
330	Tabel 3A	NA			62C9	1	CTCATGCCTGCAGTGCTCATGTT GCCCCCTTGGAATTACTTGTTCAA
331	Tabel 3A	NA			62C9	-1	TTGAACAAGTAATTCCAAGGGGGCAA CATGAGCAGCACTGCAGGCATGAG
332	Tabel 3A	NA			62G9	1	CCAATTTCTATAATTATTGAACAGCTT TTCGTGGGGCCAGCACAAAGTCT
333	Tabel 3A	NA			62G9	-1	AGACTTTGTGCTGGCCCCACGAAAAG CTGTTCAATAATTATAGAAATTGG
334	Tabel 3A	NA			65B1	1	TGGCTACAAATAGAGTAGAGAACAGA CTCCAGTCCTCAAAGACTTTCAGT
335	Tabel 3A	NA			65B1	-1	ACTGAAAGTCTTTGAGGACTGGAGTC TGTTCTCTACTCTA
336	Tabel 3A	NA			65D10	1	AGTTAAGATGGAAGAATATAGAGACC TTCTGAAGAGCACTGTAGCTTGGA
337	Tabel 3A	NA			65D10	-1	TCCAAGCTACAGTGCTCTTCAGAAGG TCTCTATATTCTTCCATCTTAACT
338	Tabel 3A	NA			100D7	1	CACTCCTATGGCATGTGGAAGCAGGT CTGAGCAGTGTGCATAGAAGAAAA TTTTCTTCTATGCACACTGCTCAGAC
339	Tabel 3A	NA			100D7	-1 1	CTGCTTCCACATGCCATAGGAGTG GCTCTCCGTTGACAATGGCCAAAGAA
340	Tabel 3A	NA			107H8	-1	TAGAAGCTCTAGACCTTCCTTATT AATAAGGAAGGTCTAGAGCTTCTATT
	Tabel 3A	NA			107H8	- i 1	CTTTGGCCATTGTCAACGGAGAGC GGCAAAACGCACCTGGCACAACAGA
342	Tabel 3A	NA			129F10	•	ACGAATAATACAGAAGCTGGATGAC
343	Tabel 3A	NA			129F10	-1	GTCATCCAGCTTCTGTATTATTCGTTC TGTTGTGCCAGGTGCGTTTTGCC
344	Tabel 3A	NA			137B5	1	TAGCCATTTCTTCCTGATTGTGCCTA GTATATCCCAGACAGTTTGTTTCT
345	Tabel 3A	NA			137B5	-1	AGAAACAAACTGTCTGGGATATACTA GGCACAATCAGGAAGAAATGGCTA
346	Tabel 3A	NA			139G6	1	GGTTGGAATGGTGATCGGGATGCAG TGAGATACTCTTGTGAGAGGGCAAA
347	Tabel 3A	NA			139G6	-1	TTTGCCCTCTCACAAGAGTATCTCAC TGCATCCCGATCACCATTCCAACC
348	Tabel 3A	NA			142E4	1	GCCATGAGATTCAACAGTCAACATCA GTCTGATAAGCTACCCGACAAAGT
349		NA			142E4	-1	ACTTTGTCGGGTAGCTTATCAGACTG ATGTTGACTGTTGAATCTCATGGC AAGAGGACAAGTTTGAGAGGCAACA
350		NA			142E9	.1	CTTAAACACTAGGGCTACTGTGGCA TGCCACAGTAGCCCTAGTGTTTAAGT
351		NA			142E9	-1 1	GTTGCCTCTCAAACTTGTCCTCTT ATTTGCTTTAAATTGAGTTTCCTTGCC
352	? Tabel 3A	NA			142F9	1	ATTGCACACTCCTATCTTTCTGA

353	Tabel 3A	NA		14	12F9	-1	TCAGAAAGATAGGAGTGTGCAATGGC AAGGAAACTCAATTTAAAGCAAAT
354	Tabel 3A	NA		33	B1A3	1	AAAAGTCACTACCAGGCTGGCAGGG AATGGGGCAATCTATTCATACTGAT
355	Tabel 3A	NA		33	31A3	-1	ATCAGTATGAATAGATTGCCCCATTC
356	Tabel 3A	NA		13	38G5	1	CCTGCCAGCCTGGTAGTGACTTTT ATATTGATTTGGATACGGTGAATAAG
357	Tabel 3A	NA		1;	38G5	-1	CTGGACAAGATGTTGAGGAGAGGG CCCTCTCCTCAACATCTTGTCCAGCT
					45C5	1	TATTCACCGTATCCAAATCAATAT AATGTGCAAGGTGAAATGCTTTTGGA
358	Tabel 3A	NA				-1	TAAACGTAAGCCTATTTTCTGACG CGTCAGAAAATAGGCTTACGTTTATC
359	Tabel 3A	NA			45C5		CAAAAGCATTTCACCTTGCACATT TTCATCTCTAAGGCACACTTGCTACC
360	Tabel 3A	NA		1	84H1	1	CCTCTTTGCTGACCCCAGATTGTG
361	Tabel 3A	NA		1	84H1	-1	CACAATCTGGGGTCAGCAAAGAGGG GTAGCAAGTGTGCCTTAGAGATGAA
362	Tabel 3A	NA		4	5B9	1	TTCTGGCAAGCTCTTGTCATGGTGTT CGACACTTCCTTCTGTCTTCTGG
363	Tabel 3A	NA		4	5B9	-1	CCAAGAAGACAGAAGGAAGTGTCGA ACACCATGACAAGAGCTTGCCAGAA
							GGTCAATGTAGCCAATTATTTGTTTCA
364	Tabel 3A	NA		1	12B5	1	ACAGTTGCAGAACAGATATTTCA
365	Tabel 3A	NA		1	12B5	-1	TGAAATATCTGTTCTGCAACTGTTGA AACAAATAATTGGCTACATTGACC
366	Tabel 3A	NA		1	17H9	1	TGAAAAGACAGCTAATTTGGTCCAAC AAACATGACTGGGTCTAGGGCACC
367	Tabel 3A	NA		1	17H9	-1	GGTGCCCTAGACCCAGTCATGTTTGT TGGACCAAATTAGCTGTCTTTTCA
368	Tabel 3A	NA		5	515H10	1	TGGATCATTGCCCAAAGTTGCACGCA CTGACTCCTTACCTGTGAGGAATG
369	Tabel 3A	NA		5	515H10	-1	CATTCCTCACAGGTAAGGAGTCAGTG
370	Tabel 3A	NA			103C4	1	CGTGCAACTTTGGGCAATGATCCA TTAAAACATTAAAAGATTGACTCCACT
371	Tabel 3A	NA			103C4	-1	TTGTGCCAAGCTCTGCGGGTAGG CCTACCCGCAGAGCTTGGCACAAAG
					116E10	1	TGGAGTCAATCTTTTAATGTTTTAA TGAATTTGGAGTCCCTGGCACATAAA
372		NA 				-1	TCTACCTTCAAATCAGAGGTCCTT AAGGACCTCTGATTTGAAGGTAGATT
373	Tabel 3A	NA			116E10	1	TATGTGCCAGGGACTCCAAATTCA TGGGTCAGAGACGAAAAGGGCTATTA
374	Tabel 3A	NA			196D7		TTAGGTCAAACATTACAGAAATCA TGATTTCTGTAATGTTTGACCTAATAA
375	Tabel 3A	NA			196D7	-1	TAGCCCTTTTCGTCTCTGACCCA
376	Tabel 3A	NA			524A9	1	CTGATTTAACAGGTGGTTCTGCGGGC GTCCAGGTCAACATCTTTTTGTCC
377	Tabel 3A	NA			524A9	-1	GGACAAAAAGATGTTGACCTGGACG CCCGCAGAACCACCTGTTAAATCAG
378	Tabel 3A	NA			485A6	1	GTCACTTTAGCGAGCGGGAAAACAAT GGCGGAAAGGGAAAACCTGGAAAG
					40510	-1	CTTTCCAGGTTTTCCCTTTCCGCCAT
379	Tabel 3A	NA			485A6		TGTTTTCCCGCTCGCTAAAGTGAC TAATTAATAGAGCTCACTTAAGATTGC
380	Tabel 3A	NA			485D5	1	CCATCAAGAAACAGGAGGGTGGT ACCACCCTCCTGTTTCTTGATGGGCA
381	Tabel 3A	NA			485D5	-1	ATCTTAAGTGAGCTCTATTAATTA
382	2 Tabel 3A	NA			479G6	1	AGTCCTGCTGAATCATTGGTTTATAG AAGACTATCTGGAGGGCCTGATAG
383	3 Tabel 3A	NA			479G6	-1	CTATCAGGCCCTCCAGATAGTCTTCT ATAAACCAATGATTCAGCAGGACT
384	Tabel 3A	NA			482A5	1	ATGTGATTCCATGATAATCAAATAGT GAATACATTATAAAGTCAGCAACT
38	5 db mining	Hs.195219	W63776	1371377	hypothetical protein FLJ14486	1	ATATATGGGGGCTGGGCCTCGGGAC TCTCGCTCTAATAAAGGACTGTAGG
386	3 Table 3A	Hs.183454	AK027789	14042727	(FLJ14486), mRNA /cds=(80,1615) cDNA FLJ14883 fis, clone	1	TTTTGACCCAGATGATGGTTCCTTTA CAGAACAATAAAATGGCTGAACAT
					PLACE1003596, moderately similar to OLIGOSACCHARYL TRANSFERASE		UNDANOMIANA 1000 TOMOM
38	7 db mining	Hs.69171	NM_006256	5453973	STT3 SUBUNIT /cds=(2,862) protein kınase C-lıke 2 (PRKCL2),	1	TGAGCACTGGAAACAGTTTCATGGAG
38:		Hs.131828	R67468	840106	mRNA /cds=(9,2963) EST390979 cDNA	1	TTTAAGTTGAGTGAACATCGGCCA ATGCATTTAGTTTTTGGCACCGTAGT
30	J I GOIS OF						TTAAGGGTGGGATTGCCAGTTTTT

389	Table 3A	Hs 181297	AA010282		tc35a11.x1 cDNA, 3' end	1	GGTTGTGTCTCTGGTTTCCCCTTTTC CCCGTGGTTTTAATTTTTAAGAAC
		11. 005000	A A 000045		/clone=IMAGE ⁻ 2066588 /clone_end=3' 602628774F1 cDNA, 5' end	1	GGAGGACACCCCTGTGTGTTGCTGC
390	Table 3A	Hs 235883	AA020845		/clone=IMAGE:4753483 /clone_end=5'	•	TGCCTTCCGTGCTGTCTACTGTATC
391	Table 3A	Hs.330145	AA044450		RST29149 cDNA	1	GCATCAGAGAGAATATGGAAGGACAT
391	Table 3A	113.000140	, , , , , , , , ,				CGACCCTAACTTCATCCAGTGAGG
392	Table 3A	Hs 189468	AA069335	1576904	tm30a06.x1 cDNA, 3' end	1	ACCATAGCAGACAGGGTCAGATGGA
					/clone=IMAGE:2158066 /clone_end=3'		ATATTAGCGGTTTAGGTGAAGAACC
393	Table 3A	Hs 205675	AA111921	1664016	EST389824 cDNA	1	AGACAGAAGACAAGGCCAAATGGGT GTCTCTGGAATGATAGACTTAGAAA
			4 4 4 4 5 0 4 5	4070505	mRNA; cDNA DKFZp586F2423 (from	1	ATCCACATTCTTACCTTTGGTAGTCA
394	Table 3A	Hs 13659	AA115345	1670525	cione DKFZp586F2423)	•	GGTTTGGCTACTTTGCAGCTCGCC
395	Table 3A	Hs.11861	AA122297	1678553	thyroid hormone receptor-associated	1	ATAGCAGTGGATTACCAACACCTTGA
333	Table SA	115.11001	, , , , , , , , , , , , , , , , , , , ,		protein, 240 kDa subunit (TRAP240),		CTTCTTGTACAGTGCTAACATCTT
					mRNA /cds=(77,6601)		TA OTTA A A A OTTO A A A CA CA A A CCCTTT
396	Table 3A	Hs.183454	AA149078	1719368	cDNA FLJ14883 fis, clone	1	TAGTAAAAGTGAAAGAGAAAGGGTTT TTCCTGCCACAGGATATAACTTTT
					PLACE1003596, moderately similar to OLIGOSACCHARYL TRANSFERASE		TICCIGCOACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
					STT3 SUBUNIT /cds=(2,862)		
397	Table 3A	Hs.124601	AA203497	1799265	zx58g05.r1 cDNA, 5' end	1	AAAGCGGTCGTTTCCCCACAAGGTGT
007	140.0 07.				/clone=IMAGE:446744 /clone_end=5'		CCAACTTTGCGGTACTCACACTTA
398	Table 3A	Hs.73798	AA210786	1809440	macrophage migration inhibitory factor	1	CTAGGCCGCCCACCCCAACCTTCT
					(glycosylation-inhibiting factor) (MIF),		GGTGGGGAGAAATAAACGGTTTAGA
				4044470	mRNA /cds=(97,444)	1	TGCACTAAACAGTTGCCCCAAAAGAC
399	Table 3A	NA	AA214691	1814479	Express cDNA library cDNA 5'	•	ATATCTTGTTTTAAGGCCCAGACC
400	Table 3A	NA	AA243144	1874139	cDNA clone IMAGE:685113 5'	1	TTGGATGAAGCTGAAAAGACACTAAG
400	Table SA	INC	741240144	101 1100			ACCTTCTGTGCCTCAGATCCCTGA
401	Table 3A	Hs.135187	AA250809	1885832	zs06a08.r1 cDNA, 5' end	1	GTGTGGCCTAAGGAACACCTCTTGTG
							GGGAGTAAGAGCCAGCCCTTCTCC
402	Table 3A	Hs 100651	AA251184	1886149	golgi SNAP receptor complex member	1	AAGGATGAAGGACTGATGGAGGGCA GAGGAACTGGAGGCAGCAGGCACAA
					2 (GOSR2), mRNA /cds=(0,638)		GAGGAG (GGAGGGAGGA COCACACACACACACACACACACACACACACACACACA
403	Table 3A	NA	AA252909	1885512	cDNA clone IMAGE:669292 5'	1	AGATGTCTGTATAAACAACCTTTGGG
403	rable 5A	11/0	701202000	,0000.12			TAGCAGGTGGTCAGTTAGGCAGGA
404	Table 3A	Hs.194480	AA258979	1894268	EST389427 cDNA	1	TGCTTGTCTTTTAAACACCTTCACAGA
							TATCATTTGCACCTTGCCAAAGG GGGTAGGCAGCTTGCACCCAGTTCT
405	Table 3A	Hs 5241	AA280051	1921589	fatty acid binding protein 1, liver	1	CCTTTATCTCAACTTATTTTCCTGG
400	T-1-1-04	NIA	A A 202774	1025925	(FABP1), mRNA /cds=(42,425) cDNA clone IMAGE:713136 5'	1	CCGGTGTCCCTGAGTGAGGGCAAAG
406	Table 3A	NA	AA282774	1923023	CDIA Cione MACE. TO TOO		TTGTAATAACACTTGTTCTCTCCTT
407	Table 3A	Hs.89072	AA283061	1926050	hypothetical protein MGC4618	1	ACGGCGTTCTGAAATTTAGCACACTG
					(MGC4618), mRNA /cds=(107,1621)		GGAAGTCCACATGGTTCATCTGAA
408	Table 3A	Hs 291448	AA290921	1938772	EST388168 cDNA	1	AATGAGATCACAGATGGTGACACTGA GCGGAAGGATGCAGTACCTCGGAG
							G000A00A100A0 M00 1000.10
409	Table 3A	Hs.211866	AA290993	1938989	wh99f02.x1 cDNA, 3' end	1	TCCTTGCAAAACATTTGGCTAGTGGT
403	Table on	110.211000	, 0 1200000		/clone=IMAGE:2388891 /clone_end=3'		GTTCAGAGAAATACCAAAACGTGT
410	Table 3A	Hs.323950	AA307854	1960203	zinc finger protein 6 (CMPX1) (ZNF6),	1	GGCAAAGGGGAAGGATGATGCCATG
					mRNA /cds=(1265,3361)		TAGATCCTGTTTGACATTTTTATGG ACTGTTAACCAAATTTTGAGCAAGGA
411	Table 3A	Hs 100293	AA312681	1965030	O-linked N-acetylglucosamine	1	GTCTCAAAGGTAATTCTGAACCAG
					(GlcNAc) transferase (UDP-N- acetylglucosamine:polypeptide-N-		0,0,0,0,0,00,,00
					acetylglucosaminyl transferase) (OGT),		
					mRNA /cds=(2039,4801)		
412	Table 3A	Hs.217493	AA314369	1966698	annexin A2 (ANXA2), mRNA	1	ACTAGCAGATTGAATCGATATTCATTA AGTTAGGAATGGTTGGTGGTCCT
			******	4074404	/cds=(49,1068)	1	AATTGTGCTTTGTATCAGTCAGTGCT
413	Table 3A	Hs.85844	AA322158	19/4484	neurotrophic tyrosine kinase, receptor, type 1 (NTRK1), mRNA /cds=(0,2390)		GGAGAAATCTTGAATAGCTTATGT
414	Table 3A	Hs 260238	AA332553	1984806	hypothetical protein FLJ10842	1	AGGAAACCAAGCCCTCACAGGAAAG
717	Table or	110 200200	70.002		(FLJ10842), mRNA /cds=(39,1307)		AAAGCCTGAATCAAGAAAACAAAGT
							ACTGAGCAGGACAACTGACCTGTCTC
415	Table 3A	Hs.323463	AA360634	2012954	mRNA for KIAA1693 protein, partial	1	CTTCACATAGTCCATATCACCACA
440	T-51- 04	ALO.	A A 277252	202068	cds /cds=(0,2707) EST89924 Small intestine II cDNA 5'	1	GCGTAAAACGCCAGGGCCATCTTCTT
416	Table 3A	NA	AA377352	202300	end	•	ACTTAAGCCACATCCTGAACCAGG
417	Table 3A	Hs.27973	AA397592	2050712	2 KIAA0874 protein (KIAA0874), mRNA	1	AGCGACAAGAAGGAATCTGGTGAATT
717					/cds=(0,6188)		TTAGTCATCCCAGCTTTTTAGTCT
418	Table 3A	Hs 343557	AA401648	2056830	601500320F1 cDNA, 5' end	1	GCTGGGGCTGAGAGAGGGTCTGGGT
				005000	/clone=IMAGE:3902237 /clone_end=5'	1	TATCTCCTTCTGATCTTCAAAACAA TCATGGACACAAACTTTGGAGTATAA
419	Table 3A	Hs 186674	AA402069	2056860	o qf56f06.x1 cDNA, 3' end /clone=IMAGE:1754051 /clone_end=3'	1	GCGACATCCCTTAAGCAACAGGCT
420	Table 3A	He 20100	5 AA412436	2071004	6 602435787F1 cDNA, 5' end	1	ATTCAAGTCAGGGCCTCTCTGCCCTT
420	I ADIC JA	113.001300	, , , , , , , , , , , , , , , , , , , ,	_5. 100	/clone=IMAGE:4553684 /clone_end=5'		TTCCCTCCAGAAACAAACCAAGA
421	Table 3A	Hs.9691	AA418765	208056		1	TGTTTGTACCACTAGCATTCTTATGTC
					/cds=UNKNOWN		TGTACTTGAACGTGTAGTTAGCA

					Table 6		
422	Table 3A	Hs 24143	AA426506		Wiskott-Aldrich syndrome protein interacting protein (WASPIP), mRNA	1	AATATAGCTCCACTAAAGGACCATAG GGAAGAGCCAGCCTTGCCTT
423	Table 3A	Hs 303214	AA427653	2111519	/cds=(108,1619) 7o45b01 x1 cDNA, 3' end /clone=IMAGE.3576912 /clone_end=3'	1	GACAGTCCATTAAGTTGATTTCCAGT GGTGAAGGGTCAGACACGCCTCCC
424	Table 3A	Hs.89519	AA429783	2112974	KIAA1046 protein (KIAA1046), mRNA /cds=(577,1782)	1	CCTGGGTTGCCTTGTAATGAAAAGGG AGATCGAGCCATTGTACCACCTTA
425	Table 3A	Hs.112071	AA442585	2154463	zv57f09.r1 cDNA, 5' end /clone=IMAGE:757769 /clone_end=5'	1	GTTCACTGTTTAACAGCCAGAAGCCA GAGCCTGCGTACTAGAAGTGGATG
426	Table 3A	Hs 8832	AA454036	2167705	zx48b04.r1 cDNA, 5' end /clone=IMAGE:795439 /clone_end=5'	1	TTGTCAAGTGGATCTGCCCCAAAGTT TGCTTTGAGGAAACGGGCCTCCCT
427	Table 3A	Hs.286148	AA454987	2177763	stromal antigen 1 (STAG1), mRNA /cds=(400,4176)	1	CTTGTATGGAAAACAGATGCTGACAG AATTGTAGACTACCATGCCACACA
428	Table 3A	Hs 255452	AA455707		aa22d09 r1 cDNA, 5' end /clone=IMAGE:814001 /clone_end=5'	1	AAATCTAAGACACCCAAACCCCTCTT TGTCCCTAAGTAGCCCTAGCCTGG
429	Table 3A	NA	AA457757		fetal retina 937202 cDNA clone IMAGE:838756 5'	1	AGCTGTTTAATTGAATTGGAATCGTT CCACTTGGAACCCAAGTTTGGAAA
430	Table 3A	Hs.82772	AA460876		collagen, type XI, alpha 1 (COL11A1), mRNA /cds=(161,5581)	1	TTTTTCTACGTTATCTCATCTCCTTGT TTTCAGTGTGCGTTCAATAATGCA CTCCCATCTGCACACCTGGATCAAGG
431	Table 3A	Hs.292451			zx51d08.r1 cDNA, 5' end /clone=IMAGE:795759 /clone_end=5'	1	TAGCCTCTCTGCACAAGGGCAGGT TGTTTTTGCTTCCTCAGAAACTTTTTA
432	Table 3A	Hs.13809	AA476568	2204779	mRNA for KIAA1525 protein, partial cds /cds=(0,2922) cDNA FLJ11724 fis, clone	1	TTGCATCTGCCATCCTTCATTGG ACAGCCAACTGGAAAGATATAAAAGT
433	Table 3A	Hs.83733	AA479163	10433041 2219969	HEMBA1005331 /cds=UNKNOWN td07e03.x1 cDNA, 3' end	1	TTGGGTCTGTCTCCTCCTCCAG ACTCCTGCTTTAGAGAGAAGCCACCA
434	Table 3A		AA490796 AA496483	2229804	/clone=IMAGE:2074972 /clone_end=3' mRNA; cDNA DKFZp727G051 (from	1	TGAAAAGTCCTCATCATCAGGGGA TCCGTACTGTATGTGATATAGTGCCA
435 436	Table 3A Table 3A	Hs.75470	AB000115	2564034	clone DKFZp727G051); partial cds hypothetical protein, expressed in	1	TTTTCAGTAACTGCTGTACACACA ACTTGCCATTACTTTTCCTTCCCACTC
430	Table 3A	113.70470	7,00007.10	2001101	osteoblast (GS3686), mRNA /cds=(241,1482)		TCTCCAACATCACATTCACTTTA
437	Table 3A	Hs.50002	AB000887	2189952	small inducible cytokine subfamily A (Cys-Cys), member 19 (SCYA19), mRNA /cds=(138,434)	1	GTGAGTGTGAGCGAGAGGGTGAGTG TGGTCAGAGTAAAGCTGCTCCACCC
438	Table 3A	Hs.76730	AB002299	2224542	mRNA for KIAA0301 gene, partial cds /cds=(0,6144)	1	TAATATGCTGGCTTTGCAGCAGAATG AAAAGGATGAGTTGGTGTAGCCTT
439	Table 3A	Hs.7911	AB002321	2224586	mRNA for KIAA0323 gene, partial cds /cds=(0,2175)	1	TTCCTTCCCTGGAGGAACTCTTTGGT TGCAGGGCTAAACTTAGAGGCTGC
440	Table 3A	Hs.7720	AB002323	2224590	mRNA for KIAA0325 gene, partial cds /cds=(0,6265)	1	TCTGACGGTTGGGAGGTGGTGGAAATT GGAAGGATACCAGGAGGTATTTGG
441	Table 3A	Hs.278671	AB002334		KIAA0336 gene product (KIAA0336), mRNA /cds=(253,5004)	1	TGATTACAAAAGGCGTATTCTTTCAT GGTTTCTGCAATGAGAGGAAGTGT
442	Table 3A	Hs.23311	AB002365		mRNA for KIAA0367 gene, partial cds /cds=(0,2150)	1	TCATGCATTGGATTGCTCAGAATAAA GTGTCTGTTAGACTTCGTTTTGGT TGACGTTAACACCAGGAATCTCCATG
443	Table 3A	Hs.3852	AB002366		mRNA for KIAA0368 gene, partial cds /cds=(0,4327)	1	TTTATTATTTTTCGTGGAAACTCC TTGCAAAGACTCACGTTTTTGTTGTTT
444		Hs.70500	AB002368		mRNA for KIAA0370 gene, partial cds /cds=(0,2406)	1	TCTCATCATTCCATTGTGATACT AGCTGTACATATAACCCTTTTCTCCTA
	Table 3A	Hs.63302	AB002369		myotubularin related protein 3 (MTMR3), mRNA /cds=(247,3843) mRNA for KIAA0379 protein, partial	1	AAGAGGAGTCAGTCAGTGCTCCT AGTTCAGGAGATCTCTAAGTGTAGCT
446		Hs.32556 Hs.101359	AB002377 AB002384		cds /cds=(0,3180) mRNA for KIAA0386 gene, complete	1	GTAAATTTTGGGGTTAATTTGGCT TGTTTGGTTGAGGGGTGCTTTTAGTT
448			5 AB007859		cds /cds=(177,3383) 3 mRNA for KIAA0399 protein, partial	1	GTGTGGCATTTGTATTCATTGATC TCAGCCTGAGTGAGTTCAGCCTGTAA
449		Hs.118047			cds /cds=(0,2961) 2 602971981F1 cDNA, 5' end	1	AAAGGATGTTAAGCTGTGGGTAAA AGGGGAAAAGAGGGGAGAAAAACAG
45	Table 3A	Hs.28578	AB007888	2887430	/clone=IMAGE:5111324 /clone_end=5' musclebind (Drosophila)-like (MBNL),	1	GAGTGATGTCATTTCTTTTTCATGT ACTTTCTGCTTGTAGTTGCTTAAAATT ATGTATTTTGTCTTGGGCTGCAA
45	1 Table 3A	Hs 32168	AB007902	2662164	mRNA /cds=(1414,2526) 4 KIAA0442 mRNA, partial cds /cds=(0,3519)	1	AAGCAACTGAATCTTCAGCATGTTCT CATCGGCGGAGCCTTCTTGTGTAA
45	2 Table 3A	Hs 15828	6 AB007915	6634034		1	TGATTGGAGCACTGAGGAACAAGGG AATGAAAAGGCAGACTCTCTGAACG
45	3 Table 3A	Hs 21464	6 AB007916	6683704	4 mRNA for KIAA0447 protein, partial cds /cds=(233,1633)	1	TTGTCCAAACGAAGCAGCCGTGGTA GTAGCTGTCTATGATTCTTGCTCAG
45	4 Table 3A	Hs.28169	AB007928	341387	9 mRNA for KIAA0459 protein, partial cds /cds=(0,461)	1	TGGTGCAATAGAAGCTGCAAAGATGT GCCACTTTATCTATGAAATGGAGT
45	5 Table 3A	Hs.7764	AB007938	341389	mRNA /cds=(184,1803)	1	GGCTTCCATGTCCAGAATCCTGCTTA AGGTTTTAGGGTACCTTCAGTACT
45	6 Table 3A	Hs.92381		341393	transcript KIAA0487 /cds=UNKNOWN	1	TTTTGGCCAGCTTTTCTAGATAAGGT TGTATTGCTACTGCAACTAACAAA CACACATCCTGGTACCCTTGGTCTTC
45	7 Table 3A	Hs.30619	3 AB011087	955875	2 hypothetical protein (LQFBS-1), mRNA /cds=(0,743)	1	AAAGGCCATTTCCAGCAGACCCTC

458	Table 3A	Hs.59403	AB011098		serine palmitoyltransferase, long chain base subunit 2 (SPTLC2), mRNA /cds=(188,1876)	1	AAACATGTCTTTTTCTCGCCTCAACTT TATCCACATGAAATGTGTGCCCA
459	Table 3A	Hs.173081	AB011102	3043583	mRNA for KIAA0530 protein, partial cds /cds=(0,4692)	1	TAAGCATAAAACCTGACACGTTAAAA TCCCTGCCCTTTGGTGAGCCCACT
460	Table 3A	Hs.198891	AB011108		mRNA for KIAA0536 protein, partial cds /cds=(0,3087)	1	AACTTGCATTTTAGCAGTGCATGTTT CTAATTGACTTACTGGGAAACTGA
461	Table 3A	Hs 62209	AB011114	6635200	mRNA for KIAA0542 protein, partial cds /cds=(390,4028)	1	AGGCCTCAGGCCACCTCCAGGAACA GAACACAGTTTTAAGTTTGATTTTT
462	Table 3A	Hs 13273	AB011164	3043707	mRNA for KIAA0592 protein, partial cds /cds=(0,4061)	1	TGAGTCTTAGCAATATGGGAGCAGGT TTTCACTGAATTCTGAGGGTGCCT
463	Table 3A	Hs.20141	AB011169	3043717	mRNA for KIAA0597 protein, partial cds /cds=(0,2915)	1	GTTGTCCTGGCACACAAGGAGGCGA GGCTATGCGTTCGAGGCCAACCTAG TGGGAACACATAGAACTGATGGAGG
464	Table 3A	Hs.118087	AB011182	3043743	DNA sequence from clone RP11- 251J8 on chromosome 13 Contains ESTs, STSs, GSSs and a CpG island. Contains two novel genes with two isoforms each and the KIAA0610 gene with two isoforms /cds=(61,2061)	1	CTTTTCCTAAGGCCAAGGATAATGT
465	Table 3A	Hs.9075	AB011420	3834353	serine/threonine kinase 17a (apoptosis- inducing) (STK17A), mRNA /cds=(117,1361)	1	GGATTGAACAGTTCAGTTGTATCTAT GCCCCACAGTGACCAGTAAAGTCC
466	Table 3A	Hs.120996	AB011421	3834355	serine/threonine kinase 17b (apoptosis- inducing) (STK17B), mRNA /cds=(261,1379)	1	CGATGACTCATTACCCAATCCCCATG AACTTGTTTCAGATTTGCTCTGTT
467	Table 3A	Hs.180383	AB013382	3869139	dual specificity phosphatase 6 (DUSP6), transcript variant 1, mRNA	1	GTCGCAAAGGGGATAATCTGGGAAA GACACCAAATCATGGGCTCACTTTA
468	Table 3A	Hs.323712	AB014515	3327043	KIAA0615 gene product (KIAA0615), mRNA /cds=(237,2927)	1	ACTCAAGCTCACACCTGTACCTGATG GGAATGAACATAATGTGAAGAAAC
469	Table 3A	Hs.11238	AB014522	3327057	cds /cds=(0,3869)	1	CACCAAAATAGTTATGTTGGCACTGT GTTCACACGCATGGTCCCCACACC
470	Table 3A	Hs.12259	AB014530	3327073	cds /cds=(0,1473)	1	GTGCGCTTTCTTTTACAACAAGCCTC TAGAAACAGATAGTTTCTGAGAAT
471	Table 3A	Hs.31921	AB014548	3327109	cds /cds=(0,2557)	1	GTGTGTATAATGTAAAGTAGTTTTGC ATATTCTTGTGCTGCACATGGGCT
472	Table 3A	Hs 8118	AB014550		mRNA for KIAA0650 protein, partial cds /cds=(0,2548)	1	AGGAATCCTTTTCTACATTTGAGCAA ATACTGAGGTTCATGTTGTACCAA CGCCTTGGCTTTGTGTTAGCATTTCC
473	Table 3A	Hs.96731	AB014555	3327123	cds /cds=(0,3253)	1	TCCTGAAGTGTTCTGTTGGCAATA AGAGATTTTCTATTGCTGGGAAGGTG
474	Table 3A	Hs.65450	AB014558		reticulon 4a mRNA, complete cds /cds=(141,3719)	1	TGTTTCTCCCACAATTTGTTTGTG TGCAACCAAATTGGCTTTACCATCTT
475	Table 3A	Hs.6727	AB014560		mRNA for KIAA0660 protein, complete cds /cds=(120,1568)	1	GGCTTTAGTAGGTATAGAAGACAA TGTCAAATAAAAGAGAACGAACAGGT
476	Table 3A	Hs.52526	AB014569	3327151	mRNA /cds=(1016,3358)	1	AGTTTGGTGGAGCTGAGCTAGTGT TCCTGTAGAAAACGAACTGTAAAAGA
477	Table 3A	Hs.5734	AB014579	3327171	(hyaluronidase) (MGEA5), mRNA /cds=(395,3145)	'	CCATGCAAGAGGCAAAATAAAACT
478	Table 3A	Hs.153293	AB014601		mRNA for KIAA0701 protein, partial cds /cds=(0,1892)	1	ACAGTAGCTTTGTAGTGGGTTTTCTG TGCTGTGCTTTTTAATTTCATGTA
479	Table 3A	Hs.192705	AB015798		PRO0457 protein (PRO0457), mRNA /cds=(985,1431)	1	GATTCCTGTCATGAAGGAAAGCAAGA CAGCTCACAGACCAGCGGCATCTG
480	Table 3A	Hs.247433	3 AB015856		activating transcription factor 6 (ATF6), mRNA /cds=(42,2054)	1	TTTTCTGTACCTTTCTAAACCTCTCTT CCCTCTGTGATGGTTTTGTGTTT
481	Table 3A	Hs.288031	AB016247	3721881	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase)-like (SC5DL), mRNA /cds=(48,947)	1	AAATCTTATTCCTCCTCTTCTCCCCTC ACTTTTCCCTACTTCCTCTGCAA
482	Table 3A	Hs.179729	AB016811	4514625	o collagen, type X, alpha 1 (Schmid metaphyseal chondrodysplasia) (COL10A1), mRNA /cds=(0,2042)	1	TGGAATCAGACATCTTCCAGATGGTT TGGACCCTGTCCATGTGTAGGTCA
483	Table 3A	Hs 10458	AB018249	4033626	gene for CC chemokine LEC, complete cds	1	AATTTAGCACCTCAGGAATAACTTATT GGTTTAGGTCAGTTCTTGGCGGG
484	Table 3A	Hs.19822	AB018298	3882230	SEC24 (S. cerevisiae) related gene family, member D (SEC24D), mRNA /cds=(200,3298)	1	AACCATGTAACTCCATTGAACATTTTT CAACTTAAGGTCTGCATAGCAGA
485	Table 3A	Hs.5378	AB018305	388224	4 mRNA for KIAA0762 protein, partial cds /cds=(0,1874)	1	AAACCAGGTTAATGGCTAAGAATGGG TAACATGACTCTTGTTGGATTGTT
486	Table 3A	Hs.21264	AB018325		4 mRNA for KIAA0782 protein, partial cds /cds=(0,3540)	1	CTCTTGGCTGAGCTTCTACAGGGCTG AGAGCTGCGCTTTGGGGACTTCAG
487	7 Table 3A	Hs.8182	AB018339		2 mRNA for KIAA0796 protein, partial cds /cds=(0,3243)	1	TTTCCTTTGGGGCATGATGTTTTAAC CTTTGCTTTAGAAGCACAAGCTGT
488	3 Table 3A	Hs.55947	AB018348	388233	mRNA for KIAA0805 protein, partial cds /cds=(0,3985)	1	ATAGAATGAGCTTGGTTAAGCACCTC TCCTTTGCCCTTCACCCTGACTCC
489	Table 3A	Hs 18130	0 AB020335	651849		1	TTGAGTAGAACTCTGATTTTCCCTAG AGGCCAAATTCTTTTTATCTGGGT

Table 8

					lable 0		
490	Table 3A	Hs 22960	AB020623	3985929	breast carcinoma amplified sequence 2 (BCAS2), mRNA /cds=(48,725)	1	TTCTAAACACATTCTTGATCACCAAAC AACTTCAGAAAGACAGTGACTGT
491	Table 3A	Hs.45719	AB020630	4240131	CAAX box protein TIMAP mRNA,	1	TGGAGTTGCTTCCAGCTGCCAAGGC CTGTGACAGAATTCGCTGTTAAGAG
492	Table 3A	Hs.123654	AB020631	4240136	complete cds /cds=(52,1755) mRNA for KIAA0824 protein, partial	1	AATGATGCAAAGTTTTATTCTTGAACT TGGACACTGATGCCATCAAACAA
493	Table 3A	Hs 334700	AB020640	14133218	cds /cds=(0,4936) mRNA for KIAA0833 protein, partial	1	GGCCAGTAAATTCCATGTTTTTGGCT
494	Table 3A	Hs.14945	AB020644		cds /cds=(0,5017) mRNA for KIAA0837 protein, partial	1	ATATCTCATCCAAACTGAGCAGTT TTCCCATTGTCCTCCTACTCAACTAAA
495	Table 3A	Hs.197298	AB020657	4240188	cds /cds=(0,2237) NS1-binding protein-like protein	1	ATTCATAGTTGGCTTTAAGCCCA GCATGTCCTAATGCTTGCTGCTGATT
496	Table 3A	Hs 13264	AB020663	4240200	mRNA, complete cds /cds=(555,2483) mRNA for KIAA0856 protein, partial	1	TAAACACATTAAAGGTACTTTGCA ACAATGGCATAAAAGTAACTTTCTCT
497	Table 3A	Hs 104315	AB020669	4240212	cds /cds=(0,3212) suppressor of clear, C. elegans,	1	GAAGATGTGATGTTCAGGCTGTGA AATGGAAGGCAGGTGAAGATATAAAA
498	Table 3A	Hs.18166	AB020677	6635136	homolog of (SHOC2), mRNA mRNA for KIAA0870 protein, partial	1	CCCTAGAATGCTTAAATGTGCTGT TTAATGCCAGTCCTCATGTAACCTCA
499	Table 3A	Hs.27973	AB020681	4240236	cds /cds=(0,3061) KIAA0874 protein (KIAA0874), mRNA	1	GGTATCTTCAGCTTGTGGAGAATA TGGAGTATATGCCTGAAAAGGTTTTG
500	Table 3A	Hs.75415	AB021288	4038732	/cds=(0,6188) cDNA. FLJ22810 fis, clone KAIA2933,	1	GATTCAGAAAGAAAAAGGATGGTT AAAGTAAGGCATGGTTGTGGTTAATC
					highly similar to AB021288 mRNA for beta 2-microglobulin /cds=UNKNOWN		TGGTTTATTTTTGTTCCACAAGTT
501	Table 3A	Hs.215857	AB022663	5019617	HFB30 mRNA, complete cds /cds=(236,1660)	1	GGTGTGTGTCCAGAGTGAGCAAG GATTATGTTTTTGGATTGTCAAAGA
502	Table 3A	Hs.104305	AB023143	4589483	death effector filament-forming Ced-4-like apoptosis protein (DEFCAP),	1	AACCATTTGCCTCTGGCTGTGTCACA GGGTGAGCCCCAAAATTGGGGTTC
503	Table 3A	Hs.154296	AB023149	4589507	transcript variant B, mRNA mRNA for KIAA0932 protein, partial	1	GAAAGTGGAGAGGACCTAACATATGT CTCTACCTAGAAAGGATGGTTTCA
504	Table 3A	Hs.4014	AB023163	4589535	cds /cds=(0,2782) mRNA for KIAA0946 protein, partial	1	ACCAACTATAAACCCAGTTCTAAAGT TGTGTATGATGGTGAACCTTTGGG
505	Table 3A	Hs.75478	AB023173	4589555	•	1	GGACCTGAGACACTGTGGCTGTCTAA TGTAATCCTTTAAAAATTCTCTGC
506	Table 3A	Hs.184523	AB023182	4589573		1	TTTGGTGTTCAGTTACTGAGTTTCAAA
507	Table 3A	Hs.103329	AB023187	14133226	·	1	AATGTTTTGGTGGCATGAGGACA CCTGTTTAAGAAAGTGAAATGTTATG
508	Table 3A	Hs.158135	AB023198	4589605	•	1	ACGGACCAGGCCATTCATTATTCCTC
509	Table 3A	Hs.75361	AB023200	4589609	cds /cds=(0,1737) mRNA for KIAA0983 protein, complete	1	AAGTGTTAATATACTGACTTATGC ACAGTTTTGTCAAAAAGTGTATCTTGA
510	Table 3A	Hs.343557	AB023216	14133228		1	CCCCACCATCAGTACTCCATTCT TTTGGTTCATCCGTGTGCTGTTCTTTT
511	Table 3A	Hs.23860	AB023227	4589669		1	GGGTTCTGAGAGGGTTTTGCCAT GGCAGTAATGCAAGAGTCCTTTTGTG
512	Table 3A	Hs.90093	AB023420	4579908	cds /cds=(0,3949) mRNA for heat shock protein apg-2,	1	AAGAGTGTTTCTATGTAGAGATGT AAATGCAGAGCAGAATGGACCAGTG
					complete cds /cds=(278,2800)		GATGGACAAGGAGACAACCCAGGCC
513	Table 3A	Hs.6790	AB026908	5931603	differentiation gene 1 (MDG1), mRNA	1	AGTGTTCCTGCTGCCAGTTCTTTCCT CTTTAGGCGTGGTTGAGAAAAAGC
514	Table 3A	Hs.21542	AB028958		KIAA1035 protein (KIAA1035), mRNA /cds=(88,3648)	1	CAGTCTCTGCCACTTGTGCTAGTTTT TGTGTGGTGTTTAGAAACATGGGC
515	Table 3A	Hs.9846	AB028963	5689416	mRNA for KIAA1040 protein, partial cds /cds=(0,1636)	1	TTCCACTTAGGTTTGGCATTTTGGCA GATAAGCTAATCTTGTATAAAGCA
516	Table 3A	Hs.89519	AB028969	5689428	KIAA1046 protein (KIAA1046), mRNA /cds=(577,1782)	1	GTAAATGCCCTACATGGTGTGATGCT GCATTATATATAAAACTGTGTGCA
517	Table 3A	Hs.126084	AB028978	5689446	mRNA for KIAA1055 protein, partial cds /cds=(0,2607)	1	AGCTCCTGTGCTGACCTTCAAGTTAC GTTTTGGAACTGTAATACTAAAGG
518	Table 3A	Hs.7243	AB028980	5689450	mRNA for KIAA1057 protein, partial cds /cds=(0,2934)	1	ACACTAGGGAAGAACCTTAATTCTAA ATTTGGTTCATGTGTGGCAAAGTT
519	Table 3A	Hs.8021	AB028981	5689452	mRNA for KIAA1058 protein, partial cds /cds=(0,4604)	1	TAACTGGAATCACTGCCCTGCTGTAA TTAAACATTCTGTACCACATCTGT
520	Table 3A	Hs.76118	AB028986	5689462	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase) (UCHL1),	1	CCCCCAGTGCTTTGTAGTCTCTCCTA TGTCATAATAAAGCTACATTTTCT
521	Table 3A	Hs.325530	AB028990	5689470	mRNA /cds=(31,669) mRNA for KIAA1067 protein, partial cds /cds=(0,2072)	1	GACAGACTTGGACACAAAACCGATCC ATAGAAGGGCTTCCCAAACCTTGT
522	Table 3A	Hs.154525	5 AB028999	5689488	mRNA for KIAA1076 protein, partial cds /cds=(0,2415)	1	CCATATGTAACTTGTTTTGAAGAGAA GTGTTTCCGTTGTGTGTCTTGATG
523	Table 3A	Hs.155546	6 AB029003	5689496	mRNA for KIAA1080 protein, partial cds /cds=(0,1554)	1	GTATCATCTGCCAAGACCAGGGCCT GCTTCACCACAGCCACAATAAAGTC
524	Table 3A	Hs.26334	AB029006	5689502	mRNA for KIAA1083 protein, complete cds /cds=(221,1975)	1	AATGAACCATTTACAGTTCGGTTTTG GACTCTGAGTCAAAGGATTTTCCT
525	5 Table 3A	Hs.54886	AB029015	5689520		1	GCCGAGTCAGCACATGGGTAGAGAT GATGTAAAAGCAGCCAATCTGGAAA

526	Table 3A	Hs.117333	AB029016	14133234	mRNA for KlAA1093 protein, partial	1	ACCTTCTGGGAGGAGGGTCGGATTC
520	Table SA	113.117.000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		cds /cds=(179,5362)		AATCTGAACTTAGAACTTCAACTC
527	Table 3A	Hs 279039	AB029027		KIAA1104 protein (KIAA1104), mRNA /cds=(494,2281)	1	GCACCATGTAGAATTTTCACTTTGTA CTGGCAGGCTCGTTTTACCTCATT
528	Table 3A	Hs.278586	AB029031		mRNA for KIAA1108 protein, partial	1	TCTCCAGTCCTGATTACTGTACACAG
				0744540	cds /cds=(0,2291)	1	TAGCTTTAGATGGCGTGGACGTGA TTCCTGTTACTGGCATGTGCACGACT
529	Table 3A	Hs.7910	AB029551	6/14542	YEAF1 mRNA for YY1 and E4TF1 associated factor 1, complete cds /cds=(198,878)	•	ATGTTATTAGAAGCCACTTTATCA
530	Table 3A	Hs.14805	AB031050	7684246	solute carrier family 21 (organic anion transporter), member 11 (SLC21A11),	1	GCCAGCTTGGAGGATGGACATTTCTG GATACACATACACATACAAAACAG
531	db mining	Hs 91600	AB031479	6539431	mRNA /cds=(193,2325) SEEK1 protein (SEEK1), mRNA /cds=(274,732)	1	TCAGCTCCTTGATCTAAGCCTCCCAG AGAGACCCCTAGAATGTTTCCCTC
532	db mining	Hs.146824	AB031480	6539433	SPR1 protein (SPR1), mRNA /cds=(315,725)	1	CCGGCGGCAGGAACTATCAGTAGAC AGCTGCTGCTTCCATGAAACGGAAA
533	Table 3A	Hs.99872	AB032251	6683491	BPTF mRNA for bromodomain PHD finger transcription factor, complete cds	1	TGTTGCCTTGAATATAACAGTACAATT TGTCAATTACTCTGCACCAGGCT
534	Table 3A	Hs.8858	AB032252	6683493	/cds=(471,8816) bromodomain adjacent to zinc finger domain, 1A (BAZ1A), mRNA	1	AAAAGTAACACCCTCCCTTTTTCCTG ACAGTTCTTTCAGCTTTACAGAAC
535	Table 3A	Hs.286430	AB032948	6329727	/cds=(115,5139) 601655926R1 cDNA, 3' end /clone=IMAGE:3855679 /clone_end=3'	1	AATGAAATGTAGTTGGGTTCTTCCTG TAATGCGCTATTATGTCTTGGGCT
536	Table 3A	Hs 44087	AB032952	6329754	mRNA for KIAA1126 protein, partial cds /cds=(0,1857)	1	AACCTCCTTGTGTCTGTTTCTCTGTTC CTCTGTGGCTGACTCAATAAACT
537	Table 3A	Hs.153489	AB032972	6330026	mRNA for KIAA1146 protein, partial cds /cds=(0,815)	1	GTGGGAGGGTGAGATGT GGGATGAACCTGGAATGAACGAATT
538	Table 3A	Hs.12461	AB032973	6330032	mRNA for KIAA1147 protein, partial cds /cds=(0,569)	1	GGCCTAAAGAAAGCTGGGGTTAATCC TGAAGCTAAAAGTAAATGTTTCTT
539	Table 3A	Hs.343199	AB032976	6330050		1	TCCCATCCTTTCCATCAAGACCTTCA TTAGCTTATGATATTTGCTGCCGA
540	Table 3A	Hs.6298	AB032977	6382017	mRNA for KIAA1151 protein, partial cds /cds=(0,689)	1	GGAGGTCTCTTCCAGATTGCTCTTCT GCCGAATTATTTGTATCTATTCCG
541	Table 3A	Hs.290398	BF341403	11287894	` '_ ' <u>-</u>	1	GCACACCTCGTCAGAGGACCATAAC CGTGTGGGGACAATAACCGCAGGGG
542	Table 3A	Hs.7041	AB033034	6382021	mRNA for KIAA1208 protein, partial cds /cds=(24,2015)	1	ACAATGGATTTGTGAAGAGCAGATTC CATGAGTAACTCTGACAGGTATTT
543	Table 3A	Hs.29679	AB033042	6330568		1	TGAGAGACATTGTTAATTTTGGGGGA ATTGGCATTGCGAAAGACTTGAAA
544	Table 3A	Hs.7252	AB033050	6330623	mRNA for KIAA1224 protein, partial cds /cds=(0,1908)	1	TGCTAGACATTTCTATACTCTGTTGTA ACACTGAGGTATCTCATTTGCCC
545	Table 3A	Hs.267690	AB033054	6330689	mRNA for KIAA1228 protein, partial cds /cds=(0,2176)	1	GTGGGGATGGGGGTTAAAAAGTAG AGAACCTCCTTTCTGTTCAACTAAT
546	Table 3A	Hs.9873	AB033076	14133246		1	CAGGTGAGTAGTTGCCGCGTAATATC ATTGGAGTACATTCTTTATACTGT
547	Table 3A	Hs.146668	AB033079	6382025		1	CCCCAACCTTATTCTGTGTGTAGACA TTGTATTCCACAATTTTGAATGGC
548	Table 3A	Hs.301721	AB033081	6330899	mRNA for KIAA1255 protein, partial	1	CGAATGGCTTAAACTAATTTGCTATG ATCCTCTAACACCGAAATTTCCCA
549	Table 3A	Hs.40193	AB033085	6330932	cds /cds=(0,2866) mRNA for KIAA1259 protein	1	AGAGGGAATCAGAAAAATGCCAAGC CTTTTCTCTTTGAATGTGCTATTTT
550	Table 3A	Hs.43141	AB033093	6331205	mRNA for KIAA1267 protein, partial cds /cds=(94,3411)	1	CACCCTTCTCTGTTAACCTTGTGCCT GTCTCCTGTATGATCACATCAC
551	Table 3A	Hs.42179	AB033112	6331388	mRNA for KIAA1286 protein, partial cds /cds=(197,3841)	1	TGTGTCTCTGTCGCGTCTGCTGTGAA GCACATGATGCTCTATTTATTGTA
552	Table 3A	Hs.63128	AB033118	6331442	mRNA for KIAA1292 protein, partial cds /cds=(0,1788)	1	TGAGAGTAAGCACATGACAGCGTCTG CTTGCGTTGTGTCTGTTTTATGTT
553	Table 3A	Hs.278670	AB034205	6899845	acid-inducible phosphoprotein (OA48- 18), mRNA /cds=(275,445)	1	TCGTGTGAATCAGACTAAGTGGGATT TCATTTTTACAACTCTGCTCTACT
554	Table 3A	Hs.76507	AB034747	12862475	LPS-induced TNF-alpha factor (PIG7), mRNA /cds=(233,919)	1	TGCAACGAATATGGATACCACATAGT ACTTTGGTGTTACCTGCTTTTGAA
555	db mining	Hs.184	AB036432	6691625	advanced glycosylation end product- specific receptor (AGER), mRNA /cds=(0,1214)	1	AGAACTGAATCAGTCGGAGGAACCT GAGGCAGGCGAGAGTAGTACTGGAG
556	Table 3A	Hs.194369	AB036737	8096339		1	TTGCCATGAGATAACACAGTGTAAAC AGTAGACACCCAGAAATCGTGACT
557	Table 3A	Hs.125037	7 AB037752	7243042	2 hypothetical protein FLJ20548 (FLJ20548), mRNA /cds=(167,1432)	1	GCTGTTAGGCTAAGAGGGTGCAGGG CTAGACACGAAGCTTAAACTATTCA
558	Table 3A	Hs.22941	AB037784	724310	mRNA for KIAA1363 protein, partial	1	CCAGTGTGGAGGTAGCAAAGCATCTA TCTATTCTGAATCATGTTTGGAAA
559	Table 3A	Hs 258730	AB037790	724311	cds /cds=(0,1293) mRNA for KIAA1369 protein, partial cds /cds=(0,1963)	1	GCCAGTATGCCACAGAATGTCCTAAA CCCTTGCTGCCTCTTATCAAAACC

Table 8

560	Table 3A	Hs 29716	AB037791		mRNA for KIAA1370 protein, partial	1	TTTGTACTGTTGAAACCACTTCATTG GACATGTTGCAATAGCAAAACCCC
561	Table 3A	Hs 9663	AB037796	7243130	cds /cds=(49,3372) mRNA for KIAA1375 protein, partial	1	AGGGGAACATTGTAAAGAAACAAAA AGGTCCAGATGAATGTATGCTAGA
562	Table 3A	Hs 24684	AB037797	7243132	cds /cds=(0,1640) mRNA for KIAA1376 protein, partial	1	GGTGCTGAATATGTCCTTGTAGGCTC
563	Table 3A	Hs 6685	AB037801	7243140	cds /cds=(143,1456) mRNA for KIAA1380 protein, partial	1	TGTTTTAAGAAAACAATATGTGGG ACATTGGCTTGCTTTTGTTAAAGTGC
564	Table 3A	Hs.334878	NM_032837		cds /cds=(0,3798) hypothetical protein FLJ14775	1	AAGTGTTACATATGGCTTTGTACA TTGGTAGTGTCAGCGGGCACCTTTTA
	Table 3A	Hs.301434	AB037808		(FLJ14775), mRNA /cds=(171,533) mRNA for KIAA1387 protein, partial	1	CACCTTCTAGTAGCTCAAGCTAGT TCCTGGAATCGTTTAATCTAAAGCAG
565			AB037808		cds /cds=(0,2852) mRNA for KIAA1387 protein, partial	1	TTTCCCCTGTTTTGGAGATTTTGT TCCTGGAATCGTTTAATCTAAAGCAG
566	Table 3A				cds /cds=(0,2852) mRNA for KIAA1407 protein, partial	1	TTTCCCCTGTTTTGGAGATTTTGT TGAGAAAGTCCTGTGCAGTCCTGAGA
567	Table 3A	Hs.15370	AB037828		cds /cds=(0,2235)	1	TGATTACTCTTATTTGGTGTGCTG TCGTCTTTTGCGAATGGCTTAATTCT
568	Table 3A		AB037844		mRNA for KIAA1423 protein, partial cds /cds=(0,1851)	1	GACACTACCTTTCTGGGAAATGTT TTTGATTGTGTCTGATGGGAACTGAG
569	Table 3A	Hs 149918	AB037901	10567163	/cds=(150,3320)		TTGTTGGCCTTTGTGAAATGAAAT TTGACAAAGCCCAACAATGATCTCAG
570	Table 3A	Hs.284205	AB040120	12657580	up-regulated by BCG-CWS (LOC64116), mRNA /cds=(477,1859)	1	GAATTACATTTTCCAACAGACCAA
571	Table 3A	Hs.6682	AB040875	13516845	solute carrier family 7, (cationic amino acid transporter, y+ system) member 11 (SLC7A11), mRNA /cds=(235,1740)	1	ACCTGTCACGCTTCTAGTTGCTTCAA CCATTTTATAACCATTTTTGTACA
572	Table 3A	Hs.109694	AB040884	7959160	mRNA for KIAA1451 protein, partial cds /cds=(0,1467)	1	TCCTTAAGGTGCACAGTAAATGTACA GATAGTTATAGGCCACTGTTTTGT
573	Table 3A	Hs 210958	AB040919	7959232	mRNA for KIAA1486 protein, partial cds /cds=(11,2044)	1	AGCTCATATGAACACTGCTCTGAACT CCTCTGACTTAGCATTCAACTTAA
574	Table 3A	Hs.20237	AB040922	7959238	mRNA for KIAA1489 protein, partial cds /cds=(1619,3154)	1	CATGACAAACATTACTAGCATGTTCA ACTGCACCATGTTCTGGCACTGTA
575	Table 3A	Hs.35089	AB040929	7959252	mRNA for KIAA1496 protein, partial cds /cds=(0,2763)	1	ACCTCTTTCCTACCAATTTCACATTTT GCAGAAACTTGTTCACATTTCCA
576	Table 3A	Hs.201500	AB040942	7959278	mRNA for KIAA1509 protein, partial	1	GGGTTGTGTATTAAATAGCCATTCAT TCTGGAACTCAAGGACAGGAC
577	Table 3A	Hs.93836	AB040959	7959318	cds /cds=(0,3982) mRNA for KIAA1526 protein, partial	1	GCCTTGCAGGTGACCAGCAGTGTCA TTGTATTTATATACAGAGCTTATGA
578	Table 3A	Hs.89135	AB040961	7959322	cds /cds=(0,2892) mRNA for KIAA1528 protein, partial	1	CTGGACGGGCGTGGGTTCTGGGTCA GCTTCTTTTACCTCAATTTTGTTTG
579	Table 3A	Hs 85752	AB040974	7959348	cds /cds=(4,2226) mRNA for KIAA1541 protein, partial	1	AAAGTCTGAGGTGTGGAACAGTTATT TAAGCATTAGTCAACCCTGGTCCT
580	Table 3A	Hs.18259	AB044661	11094140	cds /cds=(908,2341) XPA binding protein 1; putative ATP(GTP)-binding protein (NTPBP),	1	TGGGCAAGACATGATTAATGAATCAG AATCCTGTTTCATTGGTGACTTGG
581	Table 3A	Hs 142838	B AB044971	13699901	FHA domain of pKi-67 (NIFK), mRNA	1	CCTGTGTAAAAGAAGAAATACAAGAG ACTCAAACACCTACACATTCACGG
582	Table 3A	Hs.140720	AB045118	13365650	/cds=(54,935) FRAT2 mRNA, complete cds	1	TGGCTTGTTCATCCTCCAGATGTAGC TATTGATGTACACTTCGCAACGGA
583	Table 3A	Hs.136414	AB045278	13568433	acetylglucosaminyltransferase 5	1	AACTATCAGCTTGGATGGTCACTTGA ATAGAAGATGGTTATACACAGTGT
584	Table 3A	Hs.127270	AB046765	10047154	(B3GNT5), mRNA /cds=(129,1265) mRNA for KIAA1545 protein, partial	1	CCACGGTGGACCCTGTTTGTTTTAAA TATTCTGTTCCCATGTCAATCAGT
585	Table 3A	Hs.65641	AB046766	10047156	cds /cds=(0,2445) hypothetical protein FLJ20073	1	TTGTGTAGGAAACTTTTGCAGTTTGA CACTAAGATAACTTCTGTGTGCAT
586	Table 3A	Hs.32382	2 AB046771	10047166	(FLJ20073), mRNA /cds=(16,1908) mRNA for KIAA1551 protein, partial	1	ACTCAAATCAGTTAGCTTCAAACAAA AACGAAAGTTAGACCAAGGGAACG
587	7 Table 3A	Hs.32382	2 AB046771	10047166	cds /cds=(0,3750) mRNA for KIAA1551 protein, partial	1	ACTCAAATCAGTTAGCTTCAAACAAA
588	3 Table 3A	Hs.17767	AB046774	10047172	cds /cds=(0,3750) mRNA for KIAA1554 protein, partial	1	AACGAAAGTTAGACCAAGGGAACG TTGTGTGCTGTGCTTCAAAGCCTTAA
589		Hs.44054	AB046785	10047194	cds /cds=(0,3963) ninein (GSK3B interacting protein)	1	CTGTCAAATCTTGCATTATCTTGT ACATTATCATGGCATGACTTAAGGGA
590		Hs.16864	0 AB046801	10047236	(NIN), mRNA /cds=(202,6345) mRNA for KIAA1581 protein, partial	1	ACATTGGTTTGTGAAGGAAAAACA TGTGTGACTTTCATGCTTCTGGGGTT
59		Hs 12975		10047244	cds /cds=(0,1639)	1	GGAGCTTAAAGATCCAAACTGAGA TGCTGGTATTCTCACTGCCACATTTTT
	2 Table 3A	Hs.18587			cds /cds=(27,1814) Homo sapiens, clone MGC:15071	1	GGAAACCTGTATTACACCTTAAA TTGAGTGTCTGCAGCAGCCCTGGACT
59.	L TADIE SA	113, 10007	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.55 11 200	IMAGE:4110510, mRNA, complete cds /cds=(977,2212)		TCCAGACTTCTATCACATGAGAAA
59	3 Table 3A	Hs.11123	AB046813	1004726		1	TGGTGCTGATGCTTAGTTGTCTCATG CCATTAAATTGTAAAAGTGAGTTG
59	4 Table 3A	Hs.34358	2 AB046825	1004728	4 RC6-HT0592-270300-011-D11 cDNA	1	GGAGGTCAGTTGATTTCCCCAGGTAC ATTCATGGTGTGACAGACACATGG

595	Table 3A	Hs.222746	AB046830		mRNA for KIAA1610 protein, partial	1	AGATCCTTTCAGTCCCTAGACCTCCA
500	T-1-1- 0A	LI= CC20	AB046844		cds /cds=(0,1456) mRNA for KIAA1624 protein, partial	1	TTCACTCTGTTTCTCTTCTGCTGG GATCCGATCATGGTGATGTACGGGG
596	Table 3A	Hs 6639	ABU40044	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	cds /cds=(0,1800)		TGAATTCTCTTGCCGTGTTGCAAAT
597	Table 3A	Hs.288140	AB046857		mRNA for KIAA1637 protein, partial	1	ATGGTTTCAAAATTCAAGGTCCCCAA ATGGCAGCATTTTATGTTCTGACC
500	Table 2A	Hs.44566	AB046861	10047358	cds /cds=(0,1441) KIAA1641 protein (KIAA1641), mRNA	1	CAAGTATGTATGCAACTTTGCACACC
598	Table 3A	HS.44500	AB040001		/cds=(40,453)		AACAACTGTTAATCTGTAGCTAGT
599	Table 3A	Hs.82113	AB049113		dUTP pyrophosphatase (DUT), mRNA	1	TGGTGATTCTCCAGGCCATTTAATAC CCTGCAATGTAATTGTCCCTCTGT
600	Table 3A	Hs.323463	AB051480		/cds=(29,523) mRNA for KIAA1693 protein, partial	1	TTCTGCCTCAATGTTTACTGTGCCTTT
000	Table 5A	113.020400	712001110		cds /cds=(0,2707)		GTTTTTGCTAGTTTGTGTTGTTG
601	Table 3A	Hs.19597	AB051481	12697932	mRNA for KIAA1694 protein, partial	1	ACTACTGTCACGTAGCTGTGTACAAA GAGATGTGAAATACTTTCAGGCAA
602	Table 3A	Hs.20281	AB051487	12697944	cds /cds=(0,2274) mRNA for KIAA1700 protein, partial	1	TGTTGAACGGTTAAACTGTGCATTTC
002	, , , , , ,	***************************************			cds /cds=(108,2180)		TCATTTTGATGTGTCATGTATGTT AATGGTCAAGGTTCAGCATATTCTAT
603	Table 3A	Hs.7076	AB051492	12697954	mRNA for KIAA1705 protein, partial cds /cds=(1713,3209)	1	ATGAAGATCACAAGGTGGTATCGT
604	Table 3A	Hs.25127	AB051512	12697994	mRNA for KIAA1725 protein, partial	1	TGTGAACTTGTGCGCAAATGTGCAGA
			4 DOE4540	400000000	cds /cds=(0,3129) mRNA for KIAA1753 protein, partial	1	TTCAATGTTCTTGTTACAGATTGA CCCCTTGGGCTCAGCACGAAAGGGC
605	Table 3A	Hs.66053	AB051540	12698050	cds /cds=(0,2457)	'	TTTCAATGAATTAAGTGAAAACTTT
606	Table 3A	Hs.7187	AB051544	12698058	mRNA for KIAA1757 protein, partial	1	AATGAGTTGTGTTGAAGCCTCCGTCT CCCATCCTTGCCTGTAGCCCGTAG
007	Table 24	Hs.248367	AB058677	14017778	cds /cds=(347,4576) MEGF11 protein (MEGF11), mRNA	1	AGCCTAAACATGTATACTGTGCATTTT
607	Table 3A	П\$.246307	ABOOOTT	14017770	/cds=(159,3068)		ATGGGTGACTTTGAAAGATCTGT
608	Table 3A	Hs.227400	AF000145	3095031	mitogen-activated protein kinase	1	ACCAGGTTTTAGCAAAATGCACACTT TTGGCTCTTTTTGGTATATGTTCT
					kinase kinase kinase 3 (MAP4K3), mRNA /cds=(360,3014)		110001011111001111110111111111111111111
609	Table 3A	Hs.8180	AF000652	2795862	syndecan binding protein (syntenin)	1	CCTGACTCCTCCTTGCAAACAAAATG
240	T-51- 04	11- 447046	AF000982	2580549	(SDCBP), mRNA /cds=(148,1044) DEAD/H (Asp-Glu-Ala-Asp/His) box	1	ATAGTTGACACTTTATCCTGATTT TTGTATTGGCATAATCAGTGACTTGT
610	Table 3A	Hs.147916	AF000902	2300349	polypeptide 3 (DDX3), transcript variant	·	ACATTCAGCAATAGCATTTGAGCA
					2, mRNA /cds=(856,2844)	1	TTGTTAAGTTGCAATTACTGCAATGA
611	Table 3A	Hs.13980	AF000993	2580571	ubiquitously transcribed tetratricopeptide repeat gene, X	1	CAGACCAATAAACAATTGCTGCCA
					chromosome (UTX), mRNA		
612	Table 3A	Hs.159523	AF001622	3930162	class-I MHC-restricted T cell associated molecule (CRTAM), mRNA	1	ACAGCAAACTTTGGCATTTATGTGGA GCATTTCTCATTGTTGGAATCTGA
613	Table 3A	Hs.58435	AF001862	2232149		1	TGGTCATTCTGCTGTGTTCATTAGGT
0.0	10.000				(FYB), mRNA /cds=(30,2381)		GCCAATGTGAAGTCTGGATTTTAA GGCATGAAATGAGGGACAAAGAAAG
614	Table 3A	Hs.76918	AF002020	2276462	Niemann-Pick disease, type C1 (NPC1), mRNA /cds=(123,3959)	1	CATCTCGTAGGTGTGTCTACTGGGT
615	Table 3A	Hs.18792	AF003938	2897941	· · · · · · · · · · · · · · · · · · ·	1	AATCTTGACACATGCAATTGTAAATAA
	7.11.00	H- 007770	A F004020	2242400	/cds=(205,1074) hypothetical protein FLJ11068	1	AAGTCACCACTTTTGCCAAGCTT TGATGCCTTCATCTGTTCAGTCATCT
616	Table 3A	Hs.337778	AF004230	2343100	(FLJ11068), mRNA /cds=(163,1188)	•	CCAAAAACAGTAAAAATAACCACT
617	Table 3A	Hs.183805	AF005213	2843115	ankyrin 1, erythrocytic (ANK1),	1	GGCCAAGCTGAATGCCATGAATATCA GTGAGACGCGTTATAAGGAATCCT
640	Table 3A	Hs.42915	AF006082	2282029	transcript variant 3, mRNA ARP2 (actin-related protein 2, yeast)	1	CCTGCCAGTGTCAGAAAATCCTATTT
010	Table SA	115.42313	AI 000002	2202020	homolog (ACTR2), mRNA		ATGAATCCTGTCGGTATTCCTTGG
619	Table 3A	Hs.6895	AF006086	2282037	actin related protein 2/3 complex, subunit 3 (21 kD) (ARPC3), mRNA	1	TCAAGAATTTGGGTGGGAGAAAAGAA AGTGGGTTATCAAGGGTGATTTGA
620	Table 3A	Hs.82425	AF006088	2282041		1	CAAACTGGTGCAGAAATTCTATAAAC
			15000540	0045400	subunit 5 (16 kD) (ARPC5), mRNA	1	TCTTTGCTGTTTTTGATACCTGCT GCTACTTGTTTACATTGTACACTGCG
621	Table 3A	Hs.22670	AF006513	2043420	chromodomain helicase DNA binding protein 1 (CHD1), mRNA	•	ACCACCTTGCCGCTTTTCATCACA
622	Table 3A	Hs.24752	AF006516	2245670		1	ACTGGATGCTACAGACTTATAACAGC ATAGTGAATGGTAAGACTAGTGCA
623	Table 3A	Hs 321149	AF007155	2852635	(SSH3BP1), mRNA /cds=(81,1607) cDNA FLJ10257 fis, clone	1	CCTCCCCTATGCCTCAGCCCCATCTC
023	Table 3A	115 521170	A 007 100		HEMBB1000887 /cds=UNKNOWN		TGCTCCTGTTTGAATTTTGTTATT
624	Table 3A	Hs.5409	AF008442	2266928	RNA polymerase I subunit (RPA40), mRNA /cds=(22,1050)	1	CCAGTGTGACTAGGGATCCTGAGTTT TCTGGGACAATTCCAGCTTTAATC
625	Table 3A	Hs.225977	AF012108	2331249	nuclear receptor coactivator 3	1	TGACCCTTCTTTAAGTTATGTGTGTG
525					(NCOA3), mRNA /cds=(183,4421)	4	GGGAGAAATAGAATGGTGCTCTTA GTGTGAGTCCTCTGTTTGCACTGGAC
626	Table 3A	Hs.334874	AF012872	2326226	phosphatidylinositol 4-kinase 230 (pi4K230) mRNA, complete cds	1	ATATTCCCTACCTGTCTTATTTCA
					/cds=(0,6134)		
627	Table 3A	Hs 199291	AF015041	4102706		1	AGGGGAAGGGGTGCCTGGCGGGTAC TTTTCTATCTTTTATTTCCAGATTT
628	Table 3A	Hs.51233	AF016266	2529562	complete cds /cds=(209,2038) TRAIL receptor 2 mRNA, complete cds	1	TCATGCTTCTGCCCTGTCAAAGGTCC
					/cds=(117,1439)	4	CTATTTGAAATGTGTTATAATACA AGCTAGCAGATCGTAGCTAGTTTGTA
629	Table 3A	Hs 76807	AF016270	2655005	major histocompatibility complex, class II, DR alpha (HLA-DRA), mRNA	1	TTGTCTTGTCAATTGTACAGACTT
630	Table 3A	Hs.104624	4 AF016495	6560598	aquaporin 9 (AQP9), mRNA	1	AGCCCAGAATTCCCAAAGGCATTAGG
					/cds=(286,1173)		TTTCCCAACTGCTTTGTGCTGATA

631	Table 3A	Hs 10958	AF021819	2460317		1	GTGTCTATACATTTCTAAGCCTTGTTT GCAGAATAAACAGGGCATTTAGC
632	Table 3A	Hs 125134	AF023142	4102966	(DJ-1), mRNA /cds=(20,589) pre-mRNA splicing SR protein rA4	1	TAGAGGTGTACAGATGCTATATTATA TCCGCTCCCGGTGTACTGCAGCCC
633	Table 3A	Hs.108809	AF026292	2559009	mRNA, partial cds /cds=(0,3473) chaperonin containing TCP1, subunit 7	1	TTTTACAAGGAAGGGGTAGTAATTGG CCCACTCTCTTCTTACTGGAGGCT
634	Table 3A	Hs 168103	AF026402	2655201	(eta) (CCT7), mRNA /cds=(68,1699) prp28, U5 snRNP 100 kd protein (U5-	1	ACACGGTGAACTGGCTGTGTCCATCT TTGTCACTGAGTGAAATCTCTGTT
635	Table 3A	Hs 9573	AF027302	2522533	100K), mRNA /cds=(39,2501) ATP-binding cassette, sub-family F (GCN20), member 1 (ABCF1), mRNA	1	TGAGGACTTGGGGCAGGAAAGGAAT GCTGCTGAACTTGAATTTCCCTTTA
636	Table 3A	Hs.168132	AF031167	2739159	/cds=(94,2517) Interleukin 15 (IL15), mRNA	1	TCAGACCTTGGATCAGATGAACTCTT
637	Table 3A	Hs 170133		2895491	/cds=(316,804) forkhead box O1A	1	AGAAATGAAGGCAGAAAAATGTCA CCACGTTCTTGTTCCGATACTCTGAG
638	Table 3A	Hs.74276	AF034607	4426566	(rhabdomyosarcoma) (FOXO1A), chloride intracellular channel 1	1	AAGTGCCTGATGTTGATGTACTTA GCCTGGGTCAGATTTTTATTGTGGGG
639	Table 3A	Hs.106890	AF035306	2661067	(CLIC1), mRNA /cds=(236,961) clone 23771 mRNA sequence	1	TGGGATGAGTAGGACAACATATTT GGGTGCCCACCTGCATGTGAAGGGG
640	Table 3A	Hs.184697	AF035307	2661068	/cds=UNKNOWN clone 23785 mRNA sequence	1	AGGCAGTTCTCAATTTATTTCAATA CAGTCACTGGGTCTATATTAAACAGC
641	Table 3A	Hs.278589	AF035737	2827179	/cds=UNKNOWN general transcription factor II, i (GTF2I),	1	AACCAGAGCAACAAATGGCAAACA TGACATGGTAGCAGAAATAGGCCCTT
642	Table 3A	Hs.8257	AF035947	9695283	transcript variant 1, mRNA cytokine-inducible inhibitor of signalling	1	TTATGTGTTGCTTCTATTTTACCT AGCAAAGAACAGTTTGGTGGTCTTTT
					type 1b mRNA, complete cds /cds=(3131,3925)		CTCTTCCACTGATTTTTCTGTAAT
643	Table 3A	Hs.6900	AF037204		ring finger protein 13 (RNF13), mRNA /cds=(151,1296)	1	AGCCCTGCTAAACTATGTACAGAGGA AACTGTTCAAGTATTGGATTTGAA
644	Table 3A	Hs.155489	AF037448	3037012	NS1-associated protein 1 (NSAP1), mRNA /cds=(204,1892)	1	TGTCAACGATGTTTCCAGTAGTGTTT AGATTTGGTGTCTTCAAAGGTAGT
645	Table 3A	Hs.12311	AF038202	2795923	/cds=UNKNOWN	1	GGCTTTTTGCCCATCAAGAATAAAAA GAAATAAAACCAAAGGGTTACCGG
646	Table 3A	Hs.76807	AF038564		major histocompatibility complex, class II, DR alpha (HLA-DRA), mRNA	1	TGCCTGTTGCACATCTTGTAAAATTG GACAATGGCTCTTTAGAGAGTTAT
647	Table 3A	Hs.303627	AF039575	2773157	neterogeneous nuclear ribonucleoprotein D (AU-rich element	1	TGCGGCTAGTTCAGAGAGATTTTTAG AGCTGTGGTGGACTTCATAGATGA
					RNA-binding protein 1, 37kD) (HNRPD), transcript variant 1, mRNA		
648	Table 3A	Hs 29417	AF039942	4730928	HCF-binding transcription factor Zhangfei (ZF), mRNA /cds=(457,1275)	1	AATGGAAGGATTAGTATGGCCTATTT TTAAAGCTGCTTTGTTAGGTTCCT
649	Table 3A	Hs.8185	AF042284	5256829		1	CCATGTGGGCTACTCATGATGGGCTT GATTCTTTGGGAATAATAAAATGA
650	db mining	Hs.298727	AF042838	2815887	MEK kinase 1 (MEKK1) mRNA, partial cds /cds=(0,4487)	1	AACGAGGCCAGTGGGGAACCCTTAC CTAAGTATGTGATTGACAAATCATG
651	Table 3A	Hs.82280	AF045229	2906029		1	CCTCTCAGGACGTGCCGGGTTTATCA TTGCTTTGTTATTTGTAAGGACTG
652	Table 3A	Hs.62112	AF046001	2895869		1	CCACTGCCTGAAAGGTTTGTACAGAT GCATGCCACAGTAGATGTCCACAT
653	Table 3A	Hs.241520	AF047002	2896145	transcriptional coactivator ALY mRNA, partial cds /cds=(0,701)	1	TTTTGGGATAAATTTTACTGGTTGCTG TTGTGGAGAAGGTGGCGTTTCCA
654	Table 3A	Hs.132904	AF047033	5051627	sodium bicarbonate cotransporter 3 (SLC4A7) mRNA, complete cds	1	TGAAGTATAAGCCTCTACTGGGTCTA TATTGTGAATCATCCTGCCTTTCA
655	Table 3A	Hs.50785	AF047442	3335139	/cds=(71,3715) SEC22, vesicle trafficking protein (S. cerevisiae)-like 1 (SEC22L1), mRNA	1	CTCGTCTATTGGCCCCCTGTAGAAAGT TAACCTTTGTTGTTTTCCTTTTAT
656	Table 3A	Hs.40323	AF047472	2921872	/cds=(119,766) BUB3 (budding uninhibited by benzimidazoles 3, yeast) homolog	1	TCCCCTTCTGTCCCCTAGTAAGCCCA GTTGCTGTATCTGAACAGTTTGAG
657	Table 3A	Hs.26584	AF051782	2947237		1	AAACCTATTTCCCTTGCCTCATAGGC TTCTGGGATGTCATCACCTCCAGT
658	Table 3A	Hs.313	AF052124	3360431	complete cds /cds=(0,3746) secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-	1	GAATTTGGTGGTGTCAATTGCTTATTT GTTTTCCCACGGTTGTCCAGCAA
659	Table 3A	Hs.227949	AF052155	3360466	lymphocyte activation 1) (SPP1), mRNA SEC13 (S. cerevisiae)-like 1	1	CTATTTTGGGTCATTTTTATGTACCTT TGGGTTCAGGCATTATTTGGGGG
660	literature	Hs.115770	AF053712	305714	(SEC13L1), mRNA /cds=(60,1028) tumor necrosis factor (ligand) superfamily, member 11 (TNFSF11),	1	TAATTGTTGAACAGGTGTTTTTCCACA AGTGCCGCAAATTGTACCTTTTT
661	Table 3A	Hs.178710	AF054174	334199 ⁻	transcript variant 1, mRNA 1 clathrin, heavy polypeptide (Hc) (CLTC), mRNA /cds=(172,5199)	1	CCCCCTCAGAAGAATCATGAATTTGC AACAGACCTAATTTTTGGTTACTT
662	Table 3A	Hs 233952	2 AF054185	409205		1	GGCCTTTCCATTCATTTATTCACACT GAGTGTCCTACAATAAACTTCCG

					Table 0		
663	Table 3A	Hs.158164	AF054187	4092059	sub-family B (MDR/TAP) (TAP1),	1	TGGTGTCTCAAAGGAGTAACTGCAGC TTGGTTTGAAATTTGTACTGTTTC
664	Table 3A	Hs 334826	AF054284	4033734	mRNA /cds=(30,2456) splicing factor 3b, subunit 1, 155kD (SF3B1), mRNA /cds=(0,3914)	1	TGCCAGTAGTGACCAAGAACACAGTG ATTATATACACTATACTGGAGGGA
665	Table 3A	Hs 13131	AF055581	3845720	lymphocyte adaptor protein (LNK), mRNA /cds=(357,2084)	1	AGGACACATCTGACATCCTGTGTTTG GTTAAAATATACAGCACATTGTGA
666	Table 3A	Hs 278501	AF056322	3252910	SPG-100 (SP100) gene, partial cds; and high mobility group 1-like protein L3 (HMG1L3) retropseudogene sequence	1	TGGGGGTTGTAAATTGGCATGGAAAT TTAAAGCAGGTTCTTGTTAGTGCA
667	Table 3A	Hs.6856	AF056717	3046994	/cds=(0,617) ash2 (absent, small, or homeotic, Drosophila, homolog)-like (ASH2L), mRNA /cds=(4,1890)	1	TGTGAAAGAAACTTGCTTGCAGCTTT AACAAAATGAGAAACTTCCCAAAT
668	Table 3A	Hs.169895	AF061736	4335936	ubiquitin-conjugating enzyme E2L 6 (UBE2L6), mRNA /cds=(47,508)	1	GTATATATCCTCCAGCATTCAGTCCA GGGGGAGCCACGGAAACCATGTTC
669	Table 3A	Hs.182579	AF061738	4335940	leucine aminopeptidase (LOC51056), mRNA /cds=(186,1745)	1	TGTGATGCTAGGAACATGAGCAAACT GAAAATTACTATGCACTTGTCAGA
670	Table 3A	Hs.184592	AF061944	6933863	protein kinase, lysine deficient 1 (PRKWNK1), mRNA /cds=(0,7148)	1	AACCCAGTATATCTGTGTTATCTGAT GGGACGGTTGACAGTGGTCAGGGA
671	Table 3A	Hs.79015	AF063591	12002013	antigen identified by monoclonal antibody MRC OX-2 (MOX2), mRNA	1	ATCCAGTGGCCTAGGAATTAAAGTGT TGTTGTTTTTGCTGTTAAATTGGA
672	Table 3A	Hs.11000	AF063605	4071360	MY047 protein (MY047), mRNA /cds=(84,479)	1	GCATTGGCAGCATTGTGTCTTTGACC TTGTATACTAGCTTGACATAGTGC
673	Table 3A	Hs.129708	AF064090	3283355	tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), mRNA /cds=(48,770)	1	TTTCATGGTGTGAAGGAAGGAGCGT GGTGCATTGGACATGGGTCTGACAC
674	Table 3A	Hs.83530	AF064839	4206051	map 3p21; 3.15 cR from WI-9324 repeat region, complete sequence /cds=UNKNOWN	1	AGACTGCACAACCAAGAAGTTACTCA AAGCTCTGTGGGAGCCCCTGCCTG
675	Table 3A	Hs.4747	AF067008	3873220	dyskeratosis congenita 1, dyskerin (DKC1), mRNA /cds=(92,1636)	1	CAGTGCTCACCTAAATCCATCTGACT ACTTGTTCCTGTGCCCTCTTGTTT
676	Table 3A	Hs.307357	AF067519	3850317	PITSLRE protein kinase beta SV1 isoform (CDC2L2) mRNA, complete cds /cds=(79,2412)	1	GTGACGACGACCTGAAGGAGACGGG CTTCCACCTTACCACCACGAACCAG
677	Table 3A	Hs.307357	AF067529	3850337		1	AACAGGATAAAGCTCGCCGGGAATG GGAAAGACAGAAGAGAAG
678	Table 3A	Hs.268763	AF068235	4321975		1	CCTCACCCCCACCCTCACTTTCAATC CGTTTGATACCATTTGGCTCCTTT
679	Table 3A	Hs.341182	AF068836	3192908	T	1	ATGGAAAGATGTGGTCTGAGATGGGT GCTGCAAAGATCATAATAAAGTCA
680	Table 3A	Hs.92384	AF070523	3764088	vitamin A responsive; cytoskeleton related (JWA), mRNA /cds=(89,655)	1	CCATGACTTCACAGACATGGTCTAGA ATCTGTACCCTTACCCACATATGA
681	Table 3A	Hs.151903	AF070525	3387880	clone 24706 mRNA sequence /cds=UNKNOWN	1	CTGTGAATGTTTGCAGTCTCCTACCG TCTCAACTACAGCTGCAGTTGCTA
682	Table 3A	Hs.26118	AF070582	3387954	hypothetical protein MGC13033 (MGC13033), mRNA /cds=(200,304)	1	CAGCCTGAATTGCCTCTGGGAAGAG GGGTGGGAATGACTTTTCAATGTAC
683	Table 3A	Hs.106823	AF070635	3283905	mRNA for KIAA1823 protein, partial cds /cds=(52,1185)	1	AATGGCCTAGAATTTGTGGTAGTTGC CAAAGAGGTTCTCCTAGGTGGTCT
684	Table 3A	Hs.108112	AF070640	3283913	Homo sapiens, histone fold protein CHRAC17; DNA polymerase epsilon p17 subunit, clone MGC:2725 IMAGE:2822216, mRNA, complete cds	1	CAGTGAAAAGTTTGTGAGTGAAGAAT GCTGAGAAGATTGTAATGCTTTGT
685	Table 3A	Hs 76691	AF070673		stannin mRNA, complete cds /cds=(175,441)	1	TTGTCTCAAAGCTACCAAGTTTGTGC AATAAGTGGAAGGGATGTCATCCT
686	Table 3A	Hs.223615	AF070674		RC2-BN0074-150400-018-c08 cDNA	1	ACATCGAAGGTGTGCATATATGTTGA ATGACATTTTAGGGACATGGTGTT
687	Table 3A	Hs 112255	AF071076		nucleoporin 98kD (NUP98), mRNA /cds=(124,5262)	1	GGCTATCTCAGGCAATATGGCCAGCA CCTGGGTCTTTATGCATGAAGATA
688	Table 3A	Hs.76095	AF071596		immediate early response 3 (IER3), mRNA /cds=(11,481)	1	GCTGTCACGGAGCGACTGTCGAGAT CGCCTAGTATGTTCTGTGAACACAA
689	Table 3A	Hs.18571	AF072860	3290197	rotein kinase, interferon-inducible double stranded RNA dependent activator (PRKRA), mRNA	1	AGCTGCTGACTTGACTGTCATCCTGT TCTTGTTAGCCATTGTGAATAAGA
690	Table 3A	Hs.79877	AF072928	3916218	myotubularin related protein 6 mRNA, partial cds /cds=(0,1398)	1	CTCACAGGTGGACTGAGAAATCAGTT ACATCTTAAGTGACCTACAGGGTA
691	Table 3A	Hs.143648	3 AF073310	4511968	insulin receptor substrate-2 (IRS2) mRNA, complete cds /cds=(516,4532)	1	GTGCATTGTATTTAGTCTGTATTGATC ATGGATGCCCTCCTTAATAGCCA
692	? Table 3A	Hs.151411	AF075587	331932	KIAA0916 protein (KIAA0916), mRNA /cds=(146,14071)	1	CCTGTACAATTGCATCACGGGTGGG GATAAAAAGAGGAATATTCTGGTTT
693	Table 3A	Hs.550	AF076465	5430704	phosducin (PDC), transcript variant PhLOP2, mRNA /cds=(5,358)	1	AAACAGAGCTGTCTTCAGCAACATTA TTAGTAGACAAAGAGGATGTGGAT
694	Table 3A	Hs.4311	AF079566	4574148	3 SUMO-1 activating enzyme subunit 2 (UBA2), mRNA /cds=(25,1947)	1	ACTCAAGTTTTCAGTTTGTACCGCCT GGTATGTCTGTGTAAGAAGCCAAT

Table 8

695	db mining	Hs 159376	AF080577	3551871	RAG2 mRNA, partial cds /cds=(0,324)	1	TGACTCCTGCCAAGAAATCCTTTCTT AGAAGGTTGTTTGATTAGTTTTGC
696	Table 3A	Hs.107979	AF081282	4336324	•	1	TTGTATTATCTGCTTTGCTGATGTAGA CAAGAGTTAACTGAGGTAGCATGC
697	Table 3A	Hs 36794	AF082569	4206702	mRNA /cds=(99,572) cyclin D-type binding-protein 1	1	AAAGATTGTTGGTTAGGCCAGATTGA
698	Table 3A	Hs 8765	AF083255	3435311	(CCNDBP1), mRNA /cds=(87,1172) RNA helicase-related protein	1	CACCTATTTATAAACCATATGCGT TGGTAACTGTTCCAGGATTGCTCCAG
699	Table 3A	Hs.168913	AF083420	5326765	(RNAHP), mRNA /cds=(17,2146) serine/threonine kinase 24 (Ste20,	1	GTTTGAGATGGTATTGCTAAATTT TGCACCTTGTAGTGGATTCTGCATAT
700	Table 3A	Hs.327546	AF084555	5813858	yeast homolog) (STK24), mRNA hypothetical protein MGC10786	1	CATCTTTCCCACCTAAAAATGTCT CACTAGCACTTGTGATGCAATAGAAC
701	Table 3A	Hs.211610	AF090693	4249665	(MGC10786), mRNA /cds=(38,169) apoptosis-related RNA binding protein	1	ACTTCGCCTGTACTGAAAGGGCCA ACGCAGGCTTTCCTATTTCTACAACT
					(NAPOR-3) mRNA, complete cds /cds=(67,1593)		GATTGTACTTATGCATTTTGTACC
702	Table 3A	Hs.5437	AF090891	6690159	Tax1 (T-cell leukemia virus type I) binding protein 1 (TAX1BP1), mRNA	1	CAGGAGCTACTTTGAGTTTTGGTGTTA CTAGGATCAGGGTCAGTCTTTGGC
703	Table 3A	Hs.192705	AF090927	6690220	/cds=(83,2326) PRO0457 protein (PRO0457), mRNA /cds=(985,1431)	1	TAGAGAGAGGCCCGTGGCCTGAGGT AGTGCAGAGGAGGATAGTAGAGCAG
704	Table 3A	He 201675	AF091263	4140646	RNA binding motif protein 5 (RBM5),	1	TTTTGGAAGATTTTCAGTCTAGTTGC
705	Table 3A		AF099149	3930775	mRNA /cds=(148,2595) ariadne (Drosophila) homolog 2	1	CAAATCTGGCTCCTTTACAAAAGA AAGTTAATTGAGGCAATGTCATCTGC
703	Table 5A				(ARIH2), mRNA /cds=(144,1625)		TCAAAGTTGAGTGGTTTATTCACA
706	Table 3A	Hs.306357	AF103458	4378245	isolate donor N clone N168K immunoglobulin kappa light chain variable region mRNA, partial cds	1	TTGCAGTGTATTACTGTCAGCAGTAT GGTAGCTCACCGTGGACGTTCGGC
707	Table 3A	Hs.184601	AF104032	4426639	L-type amino acid transporter subunit LAT1 mRNA, complete cds	1	TATTCTGTGTTAATGGCTAACCTGTTA CACTGGGCTGGG
708	Table 3A	Hs.294603	AF104398	4063708	601657573R1 cDNA, 3' end	1	AAACTGAATGAGAGAAAATTGTATAA
700	Table 04	H- 7040	AF104921	0400703	/clone=IMAGE:3875611 /clone_end=3' succinate-CoA ligase, GDP-forming,	1	CCATCCTGCTGTTCCTTTAGTGCA TGACACTGGTCTTGCAGTACAACTGG
709	Table 3A	Hs.7043	AF 104321		alpha subunit (SUCLG1), mRNA		AAGCCAAAACAAGGTGGAAGATGT
710	Table 3A	Hs.4876	AF105366	5106522	solute carrier family 12 (potassium/chloride transporters),	1	GGTCAAGTATATTTGGACCTATTATC CTCGGCAAGCCAAGATGCAAACAT
					member 6 (SLC12A6), mRNA		• 0770 • 0 • • T • T 0 0 T 0 • • • • • • • •
711	Table 3A	Hs.167460	AF107405	5531903	pre-mRNA splicing factor (SFRS3) mRNA, complete cds /cds=(95,589)	1	AGTTCACAATATGGTTCAAATGTAAC AGTGCAGAATTGAATATGGAGGCA
712	Table 3A	Hs.79335	AF109733	4566529	SWI/SNF related, matrix associated,	1	TTGCATCTTTCCAGGAGAGCCTCACA
					actin dependent regulator of chromatin, subfamily d, member 1 (SMARCD1),		TTCTTCTTCCAGGTTGTATCACCC
					mRNA /cds=(265,1572)	4	GTGAGTCAGGAGCAGGAGCGTGCGG
713	Table 3A	Hs.274472	AF113008	6642739	high-mobility group (nonhistone chromosomal) protein 1 (HMG1), mRNA /cds=(52,699)	1	ACCAAAAATCCTCAGCCCTTACGAC
714	Table 3A	Hs.180946	U66589	1575566		1	TCACCTTATGCAATGTGAATTATCACT ACAGAACTCCATCTTACTCCAGA
715	Table 3A	Hs.109441	AF113213	11640573	cDNA FLJ14235 fis, clone	1	TTTGATGTAATATAACCTAACGTTGTG
746	Table 20	Un 207691	AF113676	6855600	NT2RP4000167 /cds=(82,2172) clone FLB2803 PRO0684 mRNA,	1	CTGGTACCTGTTTTACCATGTGT CTCCATCCCTGGCCCCCTCCCTGGAT
716	Table 3A	HS.297001	AF113070		complete cds /cds=(1108,2364)	·	GACATTAAAGAAGGGTTGAGCTGG
717	Table 3A	Hs.297681	AF113676	6855600	clone FLB2803 PRO0684 mRNA, complete cds /cds=(1108,2364)	1	CTCCATCCCTGGCCCCCTCCCTGGAT GACATTAAAGAAGGGTTGAGCTGG
718	Table 3A	Hs.75117	AF113702	6855636	interleukin enhancer binding factor 2, 45kD (ILF2), mRNA /cds=(39,1259)	1	GGCTTAGCTGCCAGTCTCCCATTTGT GACCTATGCCATCCATCTATAATG
719	Table 3A	Hs.177415	AF116606	7959715	PRO0890 mRNA, complete cds /cds=(1020,1265)	1	GGCCCAATGCCAACTCTTAAGTCTT TTGTAATTCTGGCTTTCTCTAATA
720	Table 3A	Hs.321158	AF116620	8924006		1	TGTCAGGTTTGGGTCTTGGGTTCAAG TGTATATATTCCTGTAAGTTTCTT
721	Table 3A	Hs.288036	AF116679	7959856		1	TGCATCGTAAAACCTTCAGAAGGAAA GGAGAATGTTTTGTGGACCACTTT
722	Table 3A	Hs.238205	AF116682	7959862	PRO2013 mRNA, complete cds /cds=(135,380)	1	TTGACATTCTGCGAAAGCAACAAGCA AACTGAAGACCAACTCCTATGAGA
723	Table 3A	Hs.83583	NM_005731	5031598	actin related protein 2/3 complex, subunit 2 (34 kD) (ARPC2), mRNA	1	CGCCTCTTCAGGTTCTTAAGGGATTC TCCGTTTTGGTTCCATTTTGTACA
724	Table 3A	Hs.128740	AF118274	4680228		1	CCTTGTTGGACAGGGGGACAGGCTG CCTACTGGAATGTAAATATGTGATA
725	Table 3A	Hs.225939	AF119417	7670074	sialyltransferase 9 (CMP-	1	TTTCTGAATGCCTACCTGGCGGTGTA TACCAGGCAGTGTCCCAGTTTAAA
					NeuAc:lactosylceramide alpha-2,3- sialyltransferase; GM3 synthase)		INCOMEDICATION
	T-61- 04	11- 40404	AE440005	6563055	(SIAT9), mRNA /cds=(277,1365)	1	TGTGCAAGGGGAGCACATATTGGAT
726	Table 3A	ms.184011	AF119665	6563255	nuclear gene encoding mitochondrial	•	GTATATGTTACCATATGTTAGGAAA
					protein, mRNA /cds=(77,946)		

Table 8

727	Table 3A	Hs.2186	AF119850	7770136	Homo sapiens, eukaryotic translation elongation factor 1 gamma, clone MGC:4501 IMAGE 2964623, mRNA, complete cds /cds=(2278,3231)	1	TCAAGTGAACATCTCTTGCCATCACC TAGCTGCCTGCACCTGCCCTTCAG
728	Table 3A	Hs 111334	AF119897	7770230	PRO2760 mRNA, complete cds /cds=UNKNOWN	1	CCGAGGAGAAGCGCGAGGGCTACGA GCGTCTCCTGAAGATGCAAAACCAG
729	Table 3A	Hs 9851	AF123073	12698331	C/EBP-induced protein (LOC81558), mRNA /cds=(30,1391)	1	GCAGCTGTTTGAAGTTTGTATATTTTC CGTACTGCAGAGCTTACACAAAA
730	Table 3A	Hs.180566	AF123094	5669089	mucosa associated lymphoid tissue lymphoma translocation gene 1 (MALT1), mRNA /cds=(164,2638)	1	GCCTGTGAAATAGTACTGCACTTACA TAAAGTGAGACATTGTGAAAAGGC
731	Table 3A	Hs.7540	AF126028	7158285	unknown mRNA /cds=(0,1261)	1	GCTCTGATTGTACAAGAATTACCTGT GCTAGTCAAGTTGTTGTTTTTCCT
732	Table 3A	Hs.15259	AF127139	6724085	BCL2-associated athanogene 3 (BAG3), mRNA /cds=(306,2033)	1	CTGTCTTTTGTAGCTCTGGACTGGAG GGGTAGATGGGGAGTCAATTACCC
733	Table 3A	Hs 304177	AF130085		clone FLB8503 PRO2286 mRNA, complete cds /cds=UNKNOWN	1	GGTACAACCTTCAACTATTTCTTCCAT GCGGACCCCCTCCTGCCAAAAGA
734	Table 3A	Hs 279789	AF130094	11493492	histone deacetylase 3 (HDAC3), mRNA /cds=(55,1341)	1	GCAATTCTCCCTGCGTCATGGATTTC AAGGTCTTTTAATCACCTTCGGTT
735	Table 3A	Hs 6456	AF130110	11493523	clone FLB6303 PRO1633 mRNA, complete cds /cds=(2546,3097)	1	CCTTCGCTTTAACATAGGTCTAATTTA TTTGCCGTGCCATTTTCCATACA
736	Table 3A		AF131753		cytoplasmic protein mRNA, complete cds /cds=(236,3181)	1	TGGTTGGAAGTGGGTGGGGTTATGA AATTGTAGATGTTTTTAGAAAAACT
737	Table 3A	Hs.64001	AF131762		clone 25218 mRNA sequence /cds=UNKNOWN	1	ACCTTCCTCCAGGAAAAGCCATTCAA GCCTGATTATTTTTCTAAGTAACT CTGTATAGCTTTCCCCACCTCCCACA
738	Table 3A	Hs.8148	AF131856		selenoprotein T (LOC51714), mRNA /cds=(138,629)	1	AAATCACCCAGTTAATGTGTGTGT GGGGTACCTGTGTTGAGTTGA
739	Table 3A		AF132197	11493539	hypothetical protein PRO1331 (PRO1331), mRNA /cds=(422,616) cyclin I (CCNI), mRNA /cds=(0,1133)	1	ATTTCCATCTTCATTAAAACTGCT TGTCCACCTTTGCAGCCTGTTTCTGT
740	Table 3A	Hs.79933	AF135162	7259481		1	CATGTAGTTTCAACAAGTGCTACC ATGCTACCTCAAAGTGCTACCGATAA
741	Table 3A	Hs.70337	AF137030 AF138903	6649056	mRNA /cds=(148,4299) nectin-like protein 2 (NECL2) mRNA,	1	ACCTTTCTAATTGTAAGTGCCCTT AGCACCCATTCCGACCATAGTATAAT
742 743	Table 3A Table 3A	Hs.65450	AF148537		complete cds /cds=(3,1331) reticulon 4a mRNA, complete cds	1	CATATCAAAGGGTGAGAATCATTT TGTGGTTTAAGCTGTACTGAACTAAA
743	Table 3A		AF151049		/cds=(141,3719) hypothetical protein (LOC51245),	1	TCTGTGGAATGCATTGTGAACTGT ATTACGAAGATGAACCAGTAAACGAG
, , , ,	Table on	113 004 400	711 101010	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	mRNA /cds=(0,359)		GACATGGAGTGACTATCGGGGCGG
745	Table 3A	Hs.278429	AF151054	7106829	hepatocellular carcinoma-associated antigen 59 (LOC51759), mRNA /cds=(27,896)	1	TCCTCCAGCTGACAGAAAAATCCAGG ATGAGATCAGAAGGATACTGGTGT
746	db mining	Hs.274509	AF151103	5758136	T-cell receptor aberrantly rearranged gamma-chain mRNA from cell line HPB-MLT /cds=UNKNOWN	1	TTTACACGCCCTGAAGCAGTCTTCTT TGCTAGTTGAATTATGTGGTGTGT,
747	Table 3A	Hs.279918	AF151875	4929702	hypothetical protein (HSPC111), mRNA /cds=(62,598)	1	GTTCACGGAAAAGCCAGAACCTGCT GTTTTCAGGGTGGGTGATGTAAATA
748	Table 3A	Hs 31323	AF153419	13133509		1	AGTGCTCTTGCTTTGGATAACTGTAA AGGGACCCATGCTGATAGACTGGA
749	Table 3A	Hs.296323	AF153609	5231142	serum/glucocorticoid regulated kinase (SGK), mRNA /cds=(42,1337)	1	TGCCCCAGTTGTCAGTCAGAGCCGTT GGTGTTTTTCATTGTTTAAAATGT
750	Table 3A	Hs.22350	AF157116	8571911	cDNA: FLJ23595 fis, clone LNG15262 /cds=UNKNOWN	1	AAACCAATGGACAAACTTCTTGCTTC AAGGAACAAACTCTTAGGTTGGCA
751	Table 3A	Hs 5548	AF157323		p45SKP2-like protein mRNA, complete cds /cds=(37,2061)	1	AAACATCATGAGAGTGGAGGCCTGC CACCCAGAAAGGCACATACTAGTGC
752	Table 3A	Hs.19807	AF161339		rho-gtpase activating protein ARHGAP9 (ARHGAP9), mRNA	1	AGTGGATTAACCCCTGCTTCTCTTCT TGTTCCCTGTTATCATTCCTCCCC
753	Table 3A	Hs.259683			HSPC101 mRNA, partial cds /cds=(0,556)	1	GTCTGCTTATTCGTGTCTCTTACTAG GTTCAATTTCTTGGAGGCCGTGAT
754			AF161415		HSPC297 mRNA, partial cds /cds=(0,438)	1	TGGCCTGACTGACATGCAGTTCCATA AATGCAGATGTTTGTCTCATTACC
755			AF161430	6841273	/clone=IMAGE:1205303	1	GCCAGACTTGAAAGAGGGCTCCAGA AAAAGTAGATGCGTATCTGTACAAA CGTCTTAATGTTCACCGTCCACAGCT
756			AF161451		HSPC333 mRNA, partial cds /cds=(0,443)	1	TTGGAATAAACCATCCTGGGAAGT TTAATGTTCACCGTCCACAGCTTTGG
757	Table 3A		AF161455		HSPC333 mRNA, partial cds /cds=(0,443) 6 60S ribosomal protein L30 isolog	1	AATAAACCATCCTGGGAAGTTGCT TCTAGCCCAGCATTGATCTAGAAGCA
758			AF165521		(LOC51187), mRNA /cds=(143,634) DC6 protein (DC6), mRNA	1	GAGGAATCCCAGCGCCTTTTAAAA TTGCTCAGCATGCCAGCCTTTAAGAT
759			ΔΕ173296		/cds=(161,466) Cloning vector pGEM-URA3	1	TGAATTAGATTGTGTTGTTGTGGT AAAAGGTATAGAAATGCTGGTTGGAA
760	Table 3A	NA	AF173954	0002938	Cloning vector politive or the	'	TGCTTATTTGAAAAAGACTGGCCA

Table 8

761	Table 3A	Hs 81001	AF174605	6164752	F-box protein Fbx25 (FBX25) mRNA,	1	CTGCTTCACGCCTGTGTCTCCGCAGC
	T.11.04	000000	A E 4 7 0 7 0 0	0570005	partial cds /cds=(0,818)	1	ACTTCATCGACCTCTTCAAGTTTT AGAGCAGCTTGTGTATGTAAACGCTT
762	Table 3A	Hs 288836	AF1/6/06	60/3260	hypothetical protein FLJ12673 (FLJ12673), mRNA /cds=(2,1687)	ļ	CAGTGAACTTGCTAATGATCCAAT
763	Table 3A	Hs 250619	AF182420	10197639	phorbolin-like protein MDS019	1	TCAAACCTACTAATCCAGCGACAATT
704	T-11- 05	H- 070700	A F 4 07 E F 4	CCESSOE	(MDS019), mRNA /cds=(231,1385) histone deacetylase 3 (HDAC3), mRNA	1	TGAATCGGTTTTGTAGGTAGAGGA TCAACCTCCGTCATGTTTTAGAAACC
764	Table 3A	Hs 279789	AF187554	6653225	/cds=(55,1341)	•	TTTTATCTTTTCCTTCCTCATGCT
765	Table 3A	Hs 49163	AF189011	8886721	ribonuclease III (RN3) mRNA,	1	TTTCCATCTGTGTCCCAGATTGTGAC
766	Table 3A	Hs.106778	ΔF180723	6826913	complete cds /cds=(245,4369) calcium transport ATPase ATP2C1	1	CCTAGACTTTCAATTGACAAGTAA CATGTCGTTAGATGGAACATGGAAGC
700	Table 3A	115.100770	AI 100720	0020010	(ATP2C1A) mRNA, complete cds		CATTGTCTAATCAACTCTATCATT
				==	/cds=(202,2913)		ATGTAATCCTGTAGGTTGGTACTTCC
767	Table 3A	Hs.102506	AF193339	7341090	eukaryotic translation initiation factor 2- alpha kinase 3 (EIF2AK3), mRNA	1	CCCAAACTGATTATAGGTAACAGT
					/cds=(72,3419)		
768	Table 3A	Hs.179573	AF193556	6907041	collagen, type I, alpha 2 (COL1A2), mRNA /cds=(139,4239)	1	TGAATGATCAGAACTGACATTTAATTC ATGTTTGTCTCGCCATGCTTCTT
769	Table 3A	Hs 126550	AF195514	11225484	VPS4-2 ATPase (VPS42) mRNA,	1	TTTGCACATTTTACATATGCTATGTGG
	T-1-1-04	H- 50540	4 T 4 0 F F 2 O	0720046	complete cds /cds=(201,1535)	1	TTGCCTTTGGGTTTTCTGTACAG TGGTCATGTTCCAGGTGCTAGTACAT
770	Table 3A	Hs 56542	AF195530	9739016	Homo sapiens, X-prolyl aminopeptidase P) 1,	ı	CATTCATGATCACCTTAATGCTCA
					soluble, clone MGC:15561		
771	Table 3A	Hs.44143	AF197569	11385353	IMAGE:3139868, mRNA, complete cds BAF180 (BAF180) mRNA, complete	1	AGCATAAAGAGTTGTGGATCAGTAGC
,,,	Table on	113.77170	711 107000	11000000	cds /cds=(96,4844)		CATTITAGTTACTGGGGGTGGGGG
772	Table 3A	Hs.160999	AF198614	7582270	AV648418 cDNA, 3' end	1	TCAACACTTTGCTTTATTTGACACAAC CAGACTTTCTCAGTTCCTGTTCT
773	Table 3A	Hs.26367	AF202092	11493699	/clone=GLCBJC04 /clone_end=3' PC3-96 protein (PC3-96), mRNA	1	ATGAAGAAAATCATTGAGACTGTTGC
					/cds=(119,586)		AGAAGGAGGGGAGAACTTGGAGT
774	Table 3A	Hs.182982	AF204231	6808610	88-kDa Golgi protein (GM88) mRNA, complete cds /cds=(342,2237)	1	ACTGAAAGACTTTTGCTTAAAGTGGC ATTATTGACTGCTGATGTGATG
775	Table 3A	Hs.197298	AF205218	12003206	NS1-binding protein-like protein	1	TTGGTTGGTAACTCTGTAATTCCTAA
770	Table 24	Un 455500	V E3000/43	6644296	mRNA, complete cds /cds=(555,2483) IFI16b (IFI16b) mRNA, complete cds	1	CTATCACTGGTTTGGTTCTGGACT CCACCATATATACTAGCTGTTAATCCT
776	Table 3A	Hs.155530	AF200043	0044290	/cds=(264,2312)	•	ATGGAATGGGGTATTGGGAGTGC
777	literature	Hs.185708	AF208502	6630993		1	AGAGGAATCTGAAAGTGCAGGGTGTT GGTTAAAGTTGTACCTCCCAAGTA
778	Table 3A	Hs.5862	AF208844	7582275	mRNA, partial cds /cds=(0,1761) hypothetical protein (BM-002), mRNA	1	TTTTCTCCATCCTGTTTCTAGCACAA
					/cds=(39,296)		AAATTTGCCTGCTGTGTTACAAA
779	Table 3A	Hs.82911	AF208850	7582287	BM-008 mRNA, complete cds /cds=(341,844)	1	CAGATTGATTTGAAAGGTGTGCAGCC TGATTTAAAACCAAACC
780	Table 3A	Hs.12830	AF208855	7582297		1	GCAACTAATAAGCCAAGGAATCGACA
704	Table 2A	Un 205224	AF212224	0/2751/	mRNA /cds=(67,459) CLK4 mRNA, complete cds	1	TATATTAGGTGCGTGTACTGTTTC TGTCCAGTGATAAATGTGATTGATCT
781	Table 3A	H\$.290201	AF212224	9437314	/cds=(153,1514)	•	TGCCTTTTGTACATGGAGGTCACC
782	Table 3A	Hs.284162	AF212226	13445483	60S ribosomal protein L30 isolog	1	TCTAGCCCAGCATTGATCTAGAAGCA GAGGAATCCCAGCGCCTTTTAAAA
783	Table 3A	Hs.68644	AF212233	13182746	(LOC51187), mRNA /cds=(143,634) microsomal signal peptidase subunit	1	AGGAACAGTGTGGAGATGTTTTTGT
					mRNA, complete cds /cds=(57,635)		CTTGTCCAAATAAAAGATTCACCA
784	Table 3A	Hs.332404	AF212241	13182760	CDA02 protein (CDA02), mRNA /cds=(2,1831)	1	ACCCATTGGTATACACAGAATATTCC TGTGCCCACACTTAATGTCAATCT
785	Table 3A	Hs.9414	AF217190	11526792	MLEL1 protein (MLEL1) mRNA,	1	TTGATGATACCACCAGTAAAAATAGG
786	Table 3A	Hs 288850	AF220656	7107358	complete cds /cds=(73,3099) cDNA: FLJ22528 fis, clone HRC12825	1	ATGTTTACCCCAAAACAAGTGTCA TTTCAACCGAAAGGGCAGATCCAATA
700	Table 3A	115 200030	Al 220000	7 107 000	/cds=UNKNOWN	•	GAAGACCCGCTCCTTAAATAAACA
787	Table 3A	Hs 46847	AF223469	7578788	TRAF and TNF receptor-associated protein (AD022), mRNA /cds=(16,1104)	1	ACAGAGGCAAAGTTAAGCTTGATGAT GGTTAAAATCGGTTTGATAGCACC
788	Table 3A	Hs 79025	AF226044	9295326	HSNFRK (HSNFRK) mRNA, complete	1	TGGTTGATTTCCCTCATTGTGTAAAC
					cds /cds=(641,2938)		ATTGACAGGTATGTGACAAATGGG CACAAACTAGATTCTGGACACCAGTG
789	Table 3A	Hs.112242	AF228422	12656020	normal mucosa of esophagus specific 1 (NMES1), mRNA /cds=(189,440)	1	TGCGGAAATGCTTCTGGACACCAGTG
790	Table 3A	Hs.55173	AF231023	7407145	cadherin, EGF LAG seven-pass G-type	1	GGCCCTCTTTCCTGTCTGTGTAAATT
					receptor 3, flamingo (Drosophila) homolog (CELSR3), mRNA		GTTCCGTGAAGCCGCGCTCTGTTT
791	Table 3A	Hs 4788	AF240468	9992877		1	CACTGTCCTTTCTCCAGGCCCTCAGA
700	Table 24	U= 100015	A F044 F04	0502000	/cds=(142,2271)	1	TGGCACATTAGGGTGGGCGTGCTG AGGAGCTATGATTAGACTTCTGTTAG
792	Table 3A	ns 196015	AF241534	9502099	hydatidiform mole associated and imprinted (HYMAI) mRNA, complete	,	ACTTCCTCACTCTATCACCCACAT
			1501:55	400001	sequence /cds=UNKNOWN	4	ACCCACTTTCTCCTTCCTAAACCCTT
793	Table 3A	Hs 81897	AF241785	12005486	NPD012 (NPD012) mRNA, complete cds /cds=(552,2252)	1	ACCCACTTTCTCCTTGGTAAAGCGTT TACTTAACAAAATAATACCCGAGA
794	Table 3A	Hs.153042	AF244129	10197716	cell-surface molecule Ly-9 mRNA,	1	GTCACACATGACACAAGATGTACATA
795	Table 3A	Hs 20597	AF244137	7670839	complete cds /cds=(30,1994) host cell factor homolog (LCP), mRNA	1	ATATCATGCTCACGCCTGGAGTGT ATGTGCATGTGAATGGCCTAGAGAAC
, 33	Table on	1.0 20001	7.1. 277101	, 0, 000	/cds=(316,1536)	•	CTATTTTTGTGTCTAAAGTTTACA

Table 8

			45040400	0574440	and finess protein mDNA complete	1	AGATCCTGTCCTCCTTTAGCCTCACT
796	Table 3A	Hs 145956	AF246126	85/1416	zınc finger protein mRNA, complete cds /cds=(1073,3133)	'	AATCAAGTTGGGTCCTATCTTCCC
707	Table 3A	Hs 239625	AF246221	7658294	integral membrane protein 2B (ITM2B),	1	AGTTGTTAGTTGCCCTGCTACCTAGT
797	Table 3A	115 235023	A1 2-1022 1	7000254	mRNA /cds=(170,970)		TTGTTAGTGCATTTGAGCACACAT
798	Table 3A	Hs 6289	AF246238	12005510	hypothetical protein FLJ20886	1	AATCCTTTAACTCTGCGGATAGCATT
7 90	Table 5A	113 0200	7 (1 2 10200	,2000.0	(FLJ20886), mRNA /cds=(0,524)		TGGTAGGTAGTGATTAACTGTGAA
799	Table 3A	Hs 81248	AF248648	9246972	CUG triplet repeat, RNA-binding	1	GGAGGAGGAGCTTATTTCTTGGTGTA
700	Table of t	110 0 12 10			protein 1 (CUGBP1), mRNA		CTTGAATCAGAAGGTCCCTGCAAG
800	Table 3A	Hs 81248	AF248648	9246972	CUG triplet repeat, RNA-binding	1	GGAGGAGGAGCTTATTTCTTGGTGTA
					protein 1 (CUGBP1), mRNA		CTTGAATCAGAAGGTCCCTGCAAG
801	Table 3A	Hs.183434	AF248966	12005668	ATPase, H+ transporting, lysosomal	1	AAGTGGAAGTGGGTGAATTCTACTTT
					(vacuolar proton pump) membrane		TTATGTTGGAGTGGACCAATGTCT
					sector associated protein M8-9		
					(APT6M8-9), mRNA /cds=(102,1154)		T0004TT04TT0CCCCAT4CCT4C4T
802	Table 3A	Hs 24125	AF251039	7547030	putative zinc finger protein	1	TGGGATTCATTGGCCCATAGGTACAT TGGAAAATGTATATCTCTCCAGCT
			. = = =		(LOC51780), mRNA /cds=(744,4997)	1	GGGACCCCCAGGAGGCTGAGGATGG
803	Table 3A	Hs 103521	AF254411	9438032	ser/arg-rich pre-mRNA splicing factor	'	GAGACAGAGACCAGACTGTGACTTG
					SR-A1 (SR-A1) gene		OAGAGAGAGAGA TOTOTOTOTO
904	Tobio 24	Hs.42949	AF260237	14009497	hypothetical protein HES6 (HES6),	1	TGTTTGTAGCACACTTGAGTTTGTGT
804	Table 3A	115.42545	AI 200201	14005457	mRNA /cds=(0,674)		ATTCCATTGACATCAAATGTGACA
805	Table 3A	Hs 174131	AF261087	9802305	ribosomal protein L6 (RPL6), mRNA	1	CGATCTGTGTTTGCTCTGACGAATGG
000	Table of	110.174101	7 11 20 100.	********	/cds=(26,892)		AATTTATCCTCACAAATTGGTGTT
806	Table 3A	Hs.153612	AF261091	10179833	iron inhibited ABC transporter 2 mRNA,	1	CCAGGAGCGTGGTTTTCTGATTGTGA
					complete cds /cds=(111,1982)		TCTGAGGTTCTGCCCCAACTGCAC
807	Table 3A	Hs 44198	AF263613	8453173	membrane-associated calcium-	1	ACATTACCTAATATTCTCACTAGCTAT
					independent phospholipase A2 gamma		GTTCTCCAATCCACACTGCCTTT
					mRNA, complete cds /cds=(225,2573)		
808	Table 3A	Hs.107707	AF265439	12005981	mitochondrial ribosomal protein S15	1	AGACAGCCCTGCCAAAGCCATACCAA
					(MRPS15), mRNA /cds=(0,851)	4	AGACACTCAAAGACAGCCAATAAA AGAGATAGCACAGATGGACCAAAGG
809	Table 3A	Hs.8084	AF267856	12006038	HT033 mRNA, complete cds	1	TTATGCACAGGTGGAGTCTTTTGT
			• =0070=0	40000000	/cds=(203,931)	1	AGAGATAGCACAGATGGACCAAAGG
810	Table 3A	Hs.8084	AF267856	12006036	HT033 mRNA, complete cds /cds=(203,931)	·	TTATGCACAGGTGGGAGTCTTTTGT
011	Table 3A	Hs 77690	AF267863	12006052	RAB5B, member RAS oncogene family	1	GCCTTTCTTCCTCTCCCAACATAACA
811	Table 3A	115 / / 090	Al 201000	12000002	(RAB5B), mRNA /cds=(20,667)		ATCGTGGTAACAGAATGCGACTGC
812	Table 3A	Hs.8203	AF269150	9755050	endomembrane protein emp70	1	ACCGTGTAAAGTGGGGATGGGGTAA
012	rable or t	110.0200	200700		precursor isolog (LOC56889), mRNA		AAGTGGTTAACGTACTGTTGGATCA
813	Table 3A	Hs.267288	AF271994	8515856	dopamine responsive protein DRG-1	1	GCCCAGTGCTTAAAAACGCCTTCTTG
					mRNA, complete cds /cds=(15,938)		CATGAGGGGATTGAACTATACAAT
814	Table 3A	Hs.147644	AF272148	8575774	zinc finger protein 331; zinc finger	1	GCGGGAAGGCATGTAACCACCTAAA
					protein 463 (ZNF361), mRNA		CCATCTCCGAGAACATCAGAGGATC
815	Table 3A	Hs 339912	AF277292	9664852	qh07h06.x1 cDNA, 3' end	1	TGTCAGGCTGGCTTGGTTAGGTTTTA
					/clone=IMAGE:1844027 /clone_end=3'		CTGGGGCAGAGGATAGGGAATCTC GGTGGATTCCAAATGAACCCCTGCGT
816	Table 3A	Hs.287369	AF279437	10719561	interleukin 22 (IL22), mRNA	1	TAGTTACAAAGGAAACCAATGCCA
0.17	T-1-1-05	11- 400070	A F0006 4 F	11545416	/cds=(71,610) folate transporter/carrier (LOC81034),	1	ATTTATCGTAAACATCCACGAGTGCT
817	Table 3A	HS. 190270	AF283645	11545410	mRNA /cds=(128,1075)	•	GTTGCACTACCATCTATTTGTTGT
818	Table 3A	Hs 324278	L08048.1	184250	mRNA; cDNA DKFZp566M063 (from	1	TGGGGGTTGTAAATTGGCATGGAAAT
0.0	Table of	110.02-1270	2000 10.7	,	clone DKFZp566M063)		TTAAAGCAGGTTCTTGTTGGTGCA
819	Table 3A	Hs.116481	AF283777	10281735	CD72 antigen (CD72), mRNA	1	GATAGGGGCGGCCCGGAGCCAGCCA
					/cds=(108,1187)		GGCAGTTTTATTGAAATCTTTTTAA
820	Table 3A	Hs.283022	AF287008	9624485	triggering receptor expressed on	1	CATTTGTACCCTAGGCCCACGAACCC
					myeloid cells 1 (TREM1), mRNA		ACGAGAATGTCCTCTGACTTCCAG
821	Table 3A	Hs.44865	AF288571	9858157		1	AGTGGGATTTTATGCCAGTTGTTAAA
				10010015	mRNA, complete cds /cds=(654,1853)	4	ATGAGCATTGATGTACCCATTTTT CTTTCCTTTGCTCCCTCCCATGTTTCT
822	Table 3A	Hs.212172	AF294900	10242315	beta-carotene 15,15'-dioxygenase	1	GGTGGACTAAATTGTGTATCTGG
000	Table 3A	Ua 7006	AF302505	10242358	(BCDO), mRNA /cds=(218,1861) pellino (Drosophila) homolog 1 (PELI1),	1	AGTTTTCTAGATTGTCACATGCTTTGT
823	Table SA	Hs.7886	AF302303	10242556	mRNA /cds=(4038,5294)	•	GACTAATGCAAGAAAGCAAGTCC
824	Table 3A	Hs.47783	AF307339	12751140		1	GAAACACTTTCAGGACCTTCCTTCCT
024	Table of	115.47100	711 007 000		mRNA /cds=(228,2792)		CTTGCAGTTGTTCTTTAATCTCCT
825	Table 3A	Hs.250528	AF308285	12060821		1	CTCGAGGGGCCAATTACAGGAGCAC
					mRNA, partial cds /cds=(0,2501)		AGGAAGGTTCTGATTACACACCTCT
826	Table 3A	Hs.153057	AF311312	10863767		1	TTGAGTTAAGTTGCATTTCTTTGGGC
					complete cds /cds=(198,2978)		TATGAAGGAGTCCTCTTAAGTTTG
827	Table 3A	Hs.6151	AF315591	11139703	pumilio (Drosophila) homolog 2	1	AGGGATTGTTTCTGGACCAGTTTGTC
					(PUM2), mRNA /cds=(23,3217)		TAAGTCCTGGCTCTTATTGGTTCA
828	Table 3A	Hs.194976	AF319438	12667351	SH2 domain-containing phosphatase	1	TGAACTGCTGCTACATCCAGACACTG TGCAAATAAATTATTTCTGCTACC
					anchor protein 1 (SPAP1), mRNA		IOOMAIMITATIOIGOTAGO
200	Toble 24	Un 20750	AE240470	11760000	/cds=(303,1070) protein kinase anchoring protein	1	ACTATGCAGTTTTTCTTGAAGGAACT
829	Table 3A	Hs 36752	AF319476	11762083	GKAP42 (GKAP42), mRNA	•	AAAAGCAACTAGCTCCCTAATGGT
830	Table 3A	Hs 114309	AF323540	12408012	apolipoprotein L-I mRNA, splice variant	1	GTCTTTCCAGCATCCACTCTCCCTTG
550	100007	,,5 ,,4000	0200 10		B, complete cds /cds=(273,1517)		TCCTCCTGGGGGCATATCTCAGTC
					• • • • • • • • • • • • • • • • • • • •		

831	Table 3A	Hs.27721	AF332469	12642816	Wolf-Hirschhorn syndrome candidate 1- like 1 (WHSC1L1), transcript variant long, mRNA /cds=(518,4831)	1	GCAGTAGGTAGGCTCACTTCTCTTTC CCTTCAAAATGCTTTTCATAGGCT
832	Table 3A	Hs 203181	AF333025	13936737	Bv8 protein (BV8) mRNA, partial cds /cds=(0,356)	1	TCTGCTGTTGGGCTGGTGTGGAC AGAAGGAATGGAAAGCCAAATTAAT
833	Table 3A	NA	Al904802	6495189	1q12-21.2 Contains a cyclophilin-like gene, a novel gene, ESTs, GSSs and	1	CCACTTGGAATAGGAATATCACCCCT ATCTTGGAAGACCAGGTGGAGGCT
834	Table 3A	Hs.5122	AJ001235	12418001	602293015F1 cDNA, 5' end /clone=IMAGE.4387778 /clone_end=5'	1	GCCCTATGGCGTTGTTAAACACGAGC GTATGCTAGTAAGTATCATTCATA
835	Table 3A	Hs.9071	AJ002030	2570006	progesterone receptor membrane component 2 (PGRMC2), mRNA /cds=(6,677)	1	GTGGGTGCATGGGGCTGTGGAGTGG GTGTCAGTATGGATGTGTCTGAATG
836	Table 3A	Hs 196769	AJ006835	3236105	RNA transcript from U17 small nucleolar RNA host gene, variant U17HG-AB /cds=UNKNOWN	1	CATTCGTCTGTATGCCCAGTCCCATC CGTGTCCTGCTGTAACTACATAGA
837	Table 3A	Hs.181461	AJ009771	3646273	ariadne (Drosophila) homolog, ubiquitin- conjugating enzyme E2-binding protein,	1	TGTCTGCTTCTTCCATTTTCTCGTCTC TCTCCCCCTCTTCCCCCCATTATCC
838	Table 3A	Hs.18259	AJ010842	3646129	1 (ARIH1), mRNA /cds=(314,1987) XPA binding protein 1; putative ATP(GTP)-binding protein (NTPBP), mRNA /cds=(24,1148)	1	TGGGCAAGACATGATTAATGAATCAG AATCCTGTTTCATTGGTGACTTGG
839	Table 3A	Hs.109281	AJ011895	3758818	Nef-associated factor 1 (NAF1), mRNA /cds=(110,2017)	1	CCAGATTAGGGTGGCTGTCCATCCCT GGATAGCTATTTGCACGAATCATG
840	Table 3A	Hs.306328	AJ012504	5441364	mRNA activated in tumor suppression, clone TSAP13 extended	1	CGGAGCTCTGGCTCTGCTGTAGGAA GCCCGGTACGTCCTTCATGACAGCA
841	Table 3A	Hs.118958	AJ012506	5441365	syntaxin 11 (STX11), mRNA /cds=(183,1046)	1	GCACTGAATATCGAACAAGCACTCAA ATTGAAGTATCAGTCATGTTTTGT
842	Table 3A	Hs.58103	AJ131693	4584422	mRNA for AKAP450 protein /cds=(222,11948)	1	AGCTCGAGGTGTCCTGCACTTTTCTT ATAAGGCTACTGAAGTTACATGTT
843	Table 3A	Hs.59757	AJ132592	6822171	zinc finger protein 281 (ZNF281), mRNA /cds=(23,2710)	1	TGCCATTGGAATGTTTCTACACGATC CTATTAAGAATAATGTGATGCCCT
844	Table 3A	Hs.326159	AJ223075	3355596	leucine rich repeat (in FLII) interacting protein 1 (LRRFIP1), mRNA /cds=(178,2532)	1	GGATAACAAGTAAATGTCTGAAAGCA TGAGGGGCTTTATTTGCCTTTACC
845	Table 3A	Hs.137548	AJ223324	3392916	CD84 antigen (leukocyte antigen) (CD84), mRNA /cds=(44,1030)	1	TGTTTTCCTCACTACATTGTACATGTG GGAATTACAGATAAACGGAAGCC
846	Table 3A	Hs.333140	AJ225093	3090427	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	1	AAAACTCATCTCAGAAGAGGATCTGA ATGGGGCCGCACATCACCATCATC
847	Table 3A	Hs.27182	AJ238243	4826530		1	AAACCCCTTTAAATGAGGGCCAGTAT TATCTCTGCTTTCAGAAGTAGACA
848	Table 3A	Hs.6947	AJ238403	12697195	mRNA for huntingtin interacting protein	1	GACCTGACTCCACTCTTAAACCTGGG TCTTCTCCTTGGCGGTGCTGTCAG
849	Table 3A	Hs.54642	AJ243721	6006497		1	CTTTTATAGCAGTTTATGGGGAGCAC TTGAAAGAGCGTGTGTACATGTAT
850	Table 3A	Hs.55968	AJ245539	6688166	partial mRNA for GalNAc-T5 (GALNT5 gene) /cds=(0,2006)	1	AGATCCTGAAAGTAGCTGCCTGTGAC CCAGTGAAGCCATATCAAAAGTGG
851	Table 3A	Hs.18827	AJ250014	8250235		1	TACTGCTAAGTGCTTGGTTGGGGTGG TGAGATGATGATTAGATCAGGGGT
852	Table 3A	Hs.250905	AJ250865	6688221		1	TTGTACCCAGAGACTATGATTTATATT GATTGCACTTGCCTGCCATGATT
853	Table 3A	Hs.169610	AJ251595	6491738	mRNA for transmembrane glycoprotein (CD44 gene) /cds=(178,2406)	1	TTTCAGATGCTTCTGGGAGACACCAA AGGGTGAAGCTATTTATCTGTAGT
854	Table 3A	Hs.107393	AJ270952	7687995	chromosome 3 open reading frame 4 (C3orf4), mRNA /cds=(880,1641)	1	TTGTGGTAATATGATGTGCCTTTCCTT GCCTAAATCCCTTCCTGGTGTGT
855	Table 3A	Hs.135187	AJ271326	12043566	unc93 (C elegans) homolog B (UNC93B), mRNA /cds=(41,1834)	1	CACAAGGTGCGCGGTTACCGCTACTT GGAGGAGGACAACTCGGACGAGAG
856	Table 3A	Hs.126355	AJ271684	6900101	C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 5 (CLECSF5),	1	TAGACTCACGAACAAATCCACCTGAG ATCAGCAGAGCCACCCTAGATCAG
857	Table 3A	Hs.334647	AJ271747	9714271	mRNA /cds=(197,763) hypothetical protein FLJ20011 (FLJ20011), mRNA /cds=(380,856)	1	CCTCAGAGGCTTACTCTAACCCATCC CAGAATAAATGGAGACTTCATGTG
858	Table 3A	Hs.88414	AJ271878	12666977	BTB and CNC homology 1, basic leucine zipper transcription factor 2	1	AGGCTGTTGATGCTTATTCTCTGTAA CTAAGAATTTTACCTTTTGGGGGA
859	Table 3A	Hs.150601	AJ272212	7981276	(BACH2), mRNA /cds=(708,3233) mRNA for protein serine kinase (PSKH1 gene) /cds=(130,1404)	1	GTAAACGTATCCTCTGTATTCAGTAA ACAGGCTGCCTCTCCAGGGAGGGC
860	Table 3A	Hs.287369	AJ277247	9968293	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	1	AACTAACCCCCTTTCCCTGCTAGAAA TAACAATTAGATGCCCCAAAGCGA
861	Table 3A	Hs 56247	AJ277832	9968295	6 mRNA for inducible T-cell co-stimulator (ICOS gene) /cds=(67,666)	1	GCCTCGACACATCCTCATCCCCAGCA TGGGACACCTCAAGATGAATAATA
862	Table 3A	Hs.14512	AJ278191	8745180) DIPB protein (HSA249128), mRNA /cds=(177,1211)	1	GCACAGTCACATTCCCTCCTTAGGAA TCTTCCCCTTCCACCCTTTACA
863	Table 3A	Hs.134342	AJ278245	1222725		1	TTTGAGGTTCTTTGGTTTTGTTAGTAA AAGCCAGTTCTGTGGTGATGACC

864	Table 3A	Hs.279860	AJ400717	7573518	tumor protein, translationally-controlled	1	CATCTGAAGTGTGGAGCCTTACCCAT
865	Table 3A	Hs 130881	Δ ΙΔΟΔ611	11558481	1 (TPT1), mRNA /cds=(94,612) B-cell CLL/lymphoma 11A (zinc finger	1	TTCATCACCTACAACGGAAGTAGT TTTTGGCAGTTGTCTGCATTAACCTG
800	Table 5A	115 150001	7,5404011	11000401	protein) (BCL11A), mRNA	·	TTCATACACCCATTTTGTCCCTTT
866	Table 3A	Hs.10647	AK000005	7209310	mRNA for FLJ00005 protein, partial	1	TGGTGTTTATGTACTACTCTATAGAAC TCTTGGCTTGCACTTCTACAGCT
867	Table 3A	Hs.29052	AK000196	7020122	cds /cds=(0,337) hypothetical protein FLJ20189	1	ACAGGCAAAGTGACAGGGGAAAAGG
007	rable of t	110.2002	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(FLJ20189), mRNA /cds=(122,841)		AATTAGTCTAAGAGTAAGGGGATGA
868	Table 3A	Hs.79110	AK000221	7020163	nucleolin (NCL), mRNA	1	TGGTCTCCTTGGAAATCCGTCTAGTT
000		.,			/cds=(111,2234)		AACATTTCAAGGGCAATACCGTGT
869	Table 3A	Hs.20157	NM_025197	13376787	hypothetical protein FLJ13660 similar to CDK5 activator-binding protein C53	1	GTCTACCAGGCGAAAACCACAGATTC TCCTTCTAGTTAGTATAGCGGACT
					(FLJ13660), mRNA /cds=(993,2252)		
870	Table 3A	Hs.180804	AK000271	7020240	cDNA FLJ20264 fis, clone COLF7912 /cds=UNKNOWN	1	ACTTCTCTTGATGTAGAAAGAGATGA CGTTGTTACCCTGAGTGACAGTCA
871	Table 3A	Hs.180952	AK000299	7020288	cDNA FLJ20292 fis, clone HEP05374	1	TGAGCTAAGTGTCATGCATATTTGTG
					/cds=(21,1403)		AAGAAACACCCTTGTTTGGTCCCT
872	Table 3A	Hs 272793	AK000316	7020318	hypothetical protein FLJ20309 (FLJ20309), mRNA /cds=(41,1279)	1	CTGAGCAAGGCAGATGACCTAATCAC CTCACGACAGCAATACAGCAGTGA
873	Table 3A	Hs.102669	AK000354	7020383	cDNA FLJ20347 fis, clone HEP13790	1	TTTGTACTATTGCTAGACCCTCTTCTG
074	Table 24	Hs.26434	AK000367	7020405	/cds=(708,1481) hypothetical protein FLJ20360	1	TAATGGGTAATGCGTTTGATTGT TGCTATGCTAATGTCTAGAAAGGCAT
874	Table 3A	П8.20434	AK000301	7020405	(FLJ20360), mRNA /cds=(79,2304)	•	ACGATGCTACTATTATGCTCTGTT
875	Table 3A	Hs.120769	AK000470	7020580	•	1	ACCOUNTECTO CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF
876	Table 3A	Hs.5811	AK000474	7020586	/cds=UNKNOWN chromosome 21 open reading frame 59	1	AAAGGTTTTTGGTCTCATGTTGAC TCACCAGCTGATGACACTTCCAAAGA
0,0					(C21ORF59), mRNA /cds=(360,776)		GATTAGCTCACCTTTCTCCTAGGC
877	Table 3A	Hs.279581	AK000575	7020763	hypothetical protein FLJ20568 (FLJ20568), mRNA /cds=(6,422)	1	CAGAGTAGGCATCTGGGCACCAAGA CCTTCCCTCAACAGAGGACACTGAG
878	Table 3A	Hs.75884	AK000639	7020863	DKFZP586A011 protein	1	TGCATGAAGCACTGTTTTTAAACCCA
879	Table 3A	Hs 234149	AK000654	7020886	(DKFZP586A011), mRNA hypothetical protein FLJ20647	1	AGTAAAGACTGCTTGAAACCTGTT TGATTTTGCAACTTAGGATGTTTTTGA
0/9	Table 3A	NS 234149	AK000034	7020000	(FLJ20647), mRNA /cds=(90,836)	•	GTCCCATGGTTCATTTTGATTGT
880	Table 3A	Hs.266175	AK000680	7020924	cDNA FLJ20673 fis, clone KAIA4464	1	TTTGAGCGATCTCTCACATGATGGGG TTCTTTAGTACATGGTAACAGCCA
881	Table 3A	Hs.30882	AK000689	7020935	/cds=(104,1402) cDNA FLJ20682 fis, clone KAIA3543,	1	CCCGCCTGGGACTCAGCATTTCTG
					highly similar to AF131826 clone 24945		ATATGCCTTAAGAATTCATTCTGTT
882	Table 3A	Hs.243901	AK000745	7021025	mRNA sequence /cds=UNKNOWN cDNA FLJ20738 fis, clone HEP08257	1	AGTTTTGCTGAAGACTGGCCTTATTA
					/cds=UNKNOWN		ATGGACAGCTTTCCTAACAAGAGA
883	Table 3A	Hs.274248	AK000765	7021058	hypothetical protein FLJ20758 (FLJ20758), mRNA /cds=(464,1306)	1	GGGTCAATAGTTTCCCAATTTCAGGA TATTTCGATGTCAGAAATAACGCA
884	Table 3A	Hs.93872	AK000967	7021958	mRNA for KlAA1682 protein, partial	1	TGAGAGCTGAAATGAGACCATTTACT
885	Table 3A	Hs 321245	AK001111	7022169	cds /cds=(19,2346) cDNA FLJ10249 fis, clone	1	TTGTTTAAAATGCTGTACTGTGCA TTGAGCTAAGACCTTAGGAAATTCAC
000	rable or t	110,021210	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, 522.55	HEMBB1000725, highly similar to		TTTCTGCATGATAAAATGACCCAA
					Rattus norvegicus GTPase Rab8b mRNA /cds=UNKNOWN		
886	Table 3A	Hs.117950	AK001163	7022244		1	TGTCATTGTACACTTTATTTCCCTCAC
					SAICAR synthetase and AIR carboxylase (ADE2H1), mRNA		ACTGTGTTATGCTCTGATGTGCT
887	Table 3A	Hs.194676	AK001313	7022490		1	GGTCTCTTTGACTAATCACCAAAAAG
					superfamily, member 6b, decoy (TNFRSF6B), transcript variant 2,		CAACCAACTTAGCCAGTTTTATTT
888	Table 3A	Hs 7837	AK001319	7022500		1	AGGTTCTTCCTGTACATACGTGTATA
889	Table 3A	Hs.44672	AK001332	7022524	pathways (C8FW), mRNA hypothetical protein FLJ10470	1	TATGTGAACAGTGAGATGGCCGTT ACTTGGATGCTGCCGCTACTGAATGT
005	Table 3A	115.44072	AR001332		(FLJ10470), mRNA /cds=(6,2054)	•	TTACAAATTGCTTGCCTGCTAAAG
890	Table 3A	Hs.76556	AK001361	7022572	protein phosphatase 1, regulatory (inhibitor) subunit 15A (PPP1R15A),	1	GGGAGGCGTGGCTGAGACCAACTGG TTTGCCTATAATTTATTAACTATTT
					mRNA /cds=(240,2264)		THOOTAINTINION
891	Table 3A	Hs.173374	AK001362	7022574	cDNA FLJ10500 fis, clone	1	TCTCCCAGAATGTACTTATCTTACCTC GGCATGTACTGTAGTCACTCAGT
892	Table 3A	Hs.808	AK001364	7022577	NT2RP2000369 /cds=UNKNOWN heterogeneous nuclear	1	TGTGCACTGTTGTAAACCATTCAGAA
000	T-61- 00	11- 070504	A 16004 402	7000000	ribonucleoprotein F (HNRPF), mRNA	1	TTTTCCTGCTAGGCCCTTGATGCT CATCGGCCAGACAGAGTTGAATGCAA
893	Table 3A	Hs 279521	AK001403	1022038	hypothetical protein FLJ20530 (FLJ20530), mRNA /cds=(10,1683)	1	GCAATCCAGAAGAAGTTTACAGC
894	Table 3A	Hs.108332	AK001428	7022679	cDNA FLJ10566 fis, clone	1	TGCTCTAGCCATCAGGTTCTTTCAAA TGCATCTTTACACTCTTGCACAAA
					NT2RP2002959, highly similar to UBIQUITIN-CONJUGATING ENZYME		TOOR TOTT TAOACTOT TOORCANA
					E2-17 KD 2 (EC 6.3.2.19)		TO A COO A TO A A TO CO A TO CO A TO C
895	Table 3A	Hs.183297	AK001433	/022686	enhancer of polycomb 1 (EPC1) mRNA, complete cds /cds=(151,2442)	1	TGAGCATGAAATGGGATCCTGCATCA CTTGTTTTAACTATTTATTTTGCC
896	Table 3A	Hs.7943	AK001437	7022693	RPB5-mediating protein (RMP), mRNA	1	TTTGCGGCTAGTTGGCTATTCAAGAA
					/cds=(465,1991)		ACCTCGCCCCTCTGAATGTCATAC

					lable o		
897	Table 3A	Hs.343211	AK001451	7022717	602321909F1 cDNA, 5' end	1	GTTTACGTGGAAGAAACGCTAAGGGT TTGCTCCCAGGAAAGGAGAGGAAG
898	Table 3A	Hs 268012	AK001471		/clone=IMAGE 4425098 /clone_end=5' fatty-acid-Coenzyme A ligase, long-	1	TGCTCCAGGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
899	Table 3A	Hs 236844	AK001514	7022816	chain 3 (FACL3), mRNA hypothetical protein FLJ10652	1	TGAAATTCTACCCATCTTGAGGGAGG ACCGTTCCTCAGTTAAGGACTTGT
900	Table 3A	Hs 215766	AK001548	7022868	(FLJ10652), mRNA /cds=(50,1141) GTP-binding protein (NGB), mRNA	1	ATGAGTGTGTCGGAATCCCGTGCTTA AAATACGCTCTTAAATTATTTTCT
901	Table 3A	Hs 18063	AK001630	7023001	/cds=(23,1924) cDNA FLJ10768 fis, clone NT2RP4000150 /cds=UNKNOWN	1	AAATCAGAACTGAGGTAGCTTAGAGA TGTAGCGATGTAAGTGTCGATGTT
902	Table 3A	Hs.14347	AK001665	7023061	cDNA FLJ12877 fis, clone NT2RP2003825 /cds=(313,738)	1	AGGCTTTAGCAAAGATGGATATATTG GTGACTGAGACAGAAGAACTGGCA
903	Table 3A	Hs.12457	AK001676	7023081	hypothetical protein FLJ10814 (FLJ10814), mRNA /cds=(92,3562)	1	AGTGGGCCTAACTCATGTGAGCTTGA TAACTGATGAACTCATTGGGAGCA
904	Table 3A	Hs.169407	AK001725	7023165	SAC2 (suppressor of actin mutations 2, yeast, homolog)-like (SACM2L), mRNA /cds=(0,2165)	1	AACACTAACCTCTCCCCTCCTGGCTC AAGAATTACTCCGAAGTCAGTCTG
905	Table 3A	Hs.267604	AK001749	7023206	hypothetical protein FLJ10450 (FLJ10450), mRNA /cds=(66,1622)	1	TCTGTCAGGAAATGTAACTTTGGTTTT ATTTTTGGCTTATTCCAAGGGGT
906	Table 3A	Hs 110445	AK001779	7023263	CGI-97 protein (LOC51119), mRNA /cds=(170,922)	1	AAATTGTGCCGGACTTACCTTTCATT GAACATGCTGCCATAACTTAGATT
907	Table 3A	Hs.12999	AK001822	7023330	cDNA FLJ10960 fis, clone PLACE1000564 /cds=UNKNOWN	1	TGGCAGGGAGCTGGGACCTGGAGAG ACAACTCCTGTAAATAAAACACTTT
908	Table 3A	Hs.296323	AK001838	7023355		1	AGGGAGATAATGGAGTCCACTTTAAT TTGGAATTCTGTGTGAGCTATGAT
909	Table 3A	Hs.81648	AK001883	7023426	hypothetical protein FLJ11021 similar to splicing factor, arginine/serine-rich 4 (FLJ11021), mRNA /cds=(446,1054)	1	AGATCAGTGATACTGGTGTTAGTGTT GTAATCAGGTTAAACCCACTTCCA
910	Table 3A	Hs 181112	AK001934	7023506	HSPC126 protein (HSPC126), mRNA /cds=(25,837)	1	CCATTTGACAGTAAAGGCTCTTGGCT TCTGTTGGAGGCATGGGAAATTGT
911	Table 3A	Hs.4863	AK001942	7023519		1	TTTAACAGCCTGTCCTCCCGGCATCA GGAGTCATTGAACAATCATGGATT
912	Table 3A	Hs.30822	AK001972	7023569	hypothetical protein FLJ11110 (FLJ11110), mRNA /cds=(44,1033)	1	AATACTTATTGTTTGGCAGGTCATCC ACACACTTCTGCCCCCACTGCATT
913	Table 3A	Hs.173203	AK002009	7023629		1	TTATCAGATGGGATACTGGGGACTAT AAACAATGGAAATAAAGCCACTGT
914	Table 3A	Hs.8033	AK002026	7023658	hypothetical protein FLJ11164 (FLJ11164), mRNA /cds=(56,1384)	1	GGTGGGTGGAGTTGACCAGAGAAA
915	Table 3A	Hs.92918	AK002059	7023711	/cds=(385,1047)	1	TGTGTGCGTAGAATATTACGTATGCA TGTTCATGTCTAAAGAATGGCTGT
916	Table 3A	Hs.155313	AK002127		DNA sequence from clone RP5-885L7 on chromosome 20q13 2-13.33 Contains ESTs, STSs, GSSs and eight CpG islands. Contains the 3' end of the NTSR1 gene for high affinity neurotensin receptor 1, a putative novel gene, a novel gene similar to a fly gene, the gene for opioid growth factor receptor (7-60 protein), the CoL9A3 gene for collagen IX alpha 3, a putative novel gene similar to a fly gene, the TCFL5 gene for basic helix-loop-helix transcription factor-like 5, an ARF4 (ADP-nbosylation factor 4) pseudogene, a novel gene and the 3' end of the gene for a novel protein similar to mouse CDNA FLJ11311 fis, clone	1	TGGTACCCAAACTCACCATTTGGTCC
918		Hs.270557	AK021517	10432713	PLACE1010102 /cds=UNKNOWN cDNA FLJ11455 fis, clone	1	TCTTTAATCTTTGAGGGTTTCAAT TTCCATTTATTCATGTACATTGGCCAG
919			7 AK021519		HEMBA1001497 /cds=UNKNOWN hypothetical protein FLJ11457	1	TTCCTGGTCCTTGTCTGACTTCT AACCATCTGGAGTCAGTACAGATCAT
920		Hs 77558	AK021563	10432767	(FLJ11457), mRNA /cds=(103,867) cDNA FLJ11501 fis, clone	1	CAATCCTTCCACATATACAAGTTC GGCCACCTGCTGACTATTTGTGGTTT
921	Table 3A	Hs.11571	AK021632	10432852	HEMBA1002100 /cds=UNKNOWN CDNA FLJ11570 fis, clone	1	AAAATAAAAGGTTTACTTGTCTGC TCTTTGTAAAGCACGATGATACAAAT CTGGTGCCAGTGTTATATTTTGCA
922	? Table 3A	Hs.12315	AK021670	1043290	HEMBA1003309 /cds=UNKNOWN 1 hypothetical protein FLJ11608 (FLJ11608), mRNA /cds=(561,1184)	1	CATGGATATCATGTATCCTTCCTGGT GCTCACACACCTGTCACCTTGTAA
923	Table 3A	Hs.241567	7 AK021704	1043294		1	ATAAGGTGCATAAAACCCTTAAATTC ATCTAGTAGCTGTTCCCCCGAACA
924	Table 3A	Hs.27154	1 AK021715	1043295	4 cDNA FLJ11653 fis, clone HEMBA1004538 /cds=UNKNOWN	1	TGGACCGGAGTCTGCTGAGTTTATAA GGTTCCAAAAATATGGTAAAATCT

925	Table 3A	Hs 5019	AK021776	10433029	cDNA FLJ11714 fis, clone HEMBA1005219, weakly similar to NUCLEAR PROTEIN SNF7 /cds=UNKNOWN		ACTCGACCTTGGTAAACGGAAATGTT GGGGGTGAAGAGAAACAATCACTA
926	Table 3A	Hs 286212	AK021791	10433048	hypothetical protein FLJ11729		TTCAAGGTTCTGCGAAATTAATTGGG
927	Table 3A	Hs 9096	AK021925	10433223	(FLJ11729), mRNA /cds=(311,1150) hypothetical protein FLJ20473 (FLJ20473), mRNA /cds=(57,1472)	1	CAGGTTAATTGTGTACCTGAAACT TCCCCAGGATGGGGCCTCATACAAC CCTTCATCTGCACTCAACATTTAAT
928	Table 3A	Hs.288178	AK022030		cDNA FLJ11968 fis, clone HEMBB1001133 /cds=UNKNOWN		TTTTAGACATGGAGTGCAGGTGGACA CTGTGTGAACTGTTTTTGGTCAGT
929	Table 3A	Hs 22265	AK022057	10433376	pyruvate dehydrogenase phosphatase (PDP), mRNA /cds=(131,1855)	1	CAAGAAACTTGGTCTGCAGTCTGGAA GCTTGTCTGCTCTATAGAAATGAA
930	Table 3A	Hs.22265	AK022057	10433376	pyruvate dehydrogenase phosphatase (PDP), mRNA /cds=(131,1855)	1	CAAGAAACTTGGTCTGCAGTCTGGAA GCTTGTCTGCTCTATAGAAATGAA
931	Table 3A	Hs.20281	AK022103	10433424	mRNA for KIAA1700 protein, partial cds /cds=(108,2180)	1	TGTTGAACGGTTAAACTGTGCATTTC TCATTTTGATGTGTCATGTATGTT
932	Table 3A	Hs.9043	AK022215	10433563	cDNA FLJ12153 fis, clone MAMMA1000458 /cds=UNKNOWN	1	CCCCTTCAACTGAGGGTCATTTTACC AGAGTCAATAAAGGCCAACCCTTC
933	Table 3A	Hs.94576	AK022267	10433626	cDNA FLJ12205 fis, clone MAMMA1000931 /cds=UNKNOWN	1	ATTCTGAGGGTGACTGAGGCTACAG CTGCTATCACATGCCGAACTTTCTT
934	Table 3A	Hs 318725	AK022280	10433640	CGI-72 protein (LOC51105), mRNA /cds=(69,1400)	1	TGGTATCAGGAGTTGGGATTTCTCAG CACTGCTAATGAAGATCCCCTCTT
935	Table 3A	Hs.132221	AK022463	10433867	hypothetical protein FLJ12401 (FLJ12401), mRNA /cds=(3,1526)	1	CGCAGAGAGGAGAAAAGGAGACAGC AAGACGCCAATAAAGAAACACAACT
936	Table 3A	Hs.105779	AK022481	10433892	cDNA FLJ12419 fis, clone MAMMA1003047, highly similar to protein inhibitor of activated STAT protein PIASy mRNA /cds=UNKNOWN	1	CCCGCACGGGCAGCTGAAGGCCGCT GTTTTCTAATATTTGTATTCTAATT
937	Table 3A	Hs.8068	AK022497	10433916	hematopoietic PBX-interacting protein	1	CCCCTGGGAGATGTAGCAAATTGAGT GTGGGTTTTGGAGTCTGAGCCTCA
938	Table 3A	Hs.179882	AK022499	10433920	(HPIP), mRNA /cds=(80,2275) hypothetical protein FLJ12443	1	GCAGAGGAGGGTTGCCATGAAGGA
939	Table 3A	Hs 287863	AK022537	10433983	(FLJ12443), mRNA /cds=(187,900) hypothetical protein FLJ12475	1	ACTTGGGATTTTCAATGGAATAAAT CCTTTCACGTCTGGACGAATTACCAA
			AK022546	10/33007	(FLJ12475), mRNA /cds=(16,1065) Homo sapiens, Similar to RIKEN cDNA	1	ATGCCATGAATTGCCACTGTGTGT AGGAAGATGGCGCTGTTATCAGCGG
940	Table 3A	ПS.332941	AN022540	10403991	2700083B06 gene, clone MGC:4669 IMAGE:3531883, mRNA, complete cds /cds=(67,1050)	·	GGAAATGTACTATTTAAGATCAGCT
941	Table 3A	Hs.21938	AK022554	10434010	hypothetical protein FLJ12492	1	ATCCAAGTCTGAAACTCTGCGCTCTA GTACTGCTGTTAAGATACACAACT
942	Table 3A	Hs.7010	AK022568	10434032	(FLJ12492), mRNA /cds=(172,1848) Homo sapiens, clone MGC:14452 IMAGE:4304209, mRNA, complete cds	1	TGGATAGCCATTTCTGCTCAACCACA CATTCTCTAAGAAACAGCTTGAAA
943	Table 3A	Hs.11556	AK022628	10434128	/cds=(88,1953) cDNA FLJ12566 fis, clone	1	TGTTGTATGTGGATGGGGAAGTTTTG
				10434216	NT2RM4000852 /cds=UNKNOWN hypothetical protein FLJ12619	1	TTTCTCCTCTTAGCATTTGTTTCT TCTGAATGATCCTACTCCTTTGGAGT
944	Table 3A	Hs.173685			(FLJ12619), mRNA /cds=(391,1080)		AAAACTAGTGCTTACCAGTTTCCA TCCTTTTGTAGCCACTTTGAGTCTGC
945	Table 3A	Hs.288836	AK022735	10434309	hypothetical protein FLJ12673 (FLJ12673), mRNA /cds=(2,1687)	1	AGTTGTCAGTAAGCCTTTTTAAAG
946	Table 3A	Hs.9908	AK022758	10434350	cDNA FLJ12696 fis, clone NT2RP1000513, highly similar to NifU-	1	GGGGGAAATTACCAGTAGAATGCCTT GGTCTGAATATTTGATAGAACCAA
947	Table 3A	Hs.77573	AK022790	10434395	like protein (hNifU) mRNA uridine phosphorylase (UP), mRNA /cds=(352,1284)	1	CTGGTACTTTACAGTTTTGCACCAAC TCTGCCAAGCCACTGGATCTTACA
948	Table 3A	Hs.27475	AK022811	10434426	cDNA FLJ12749 fis, clone	1	ATCCAGTCACTCATCAAGTGTAATCT GTCTCCTAAATATCTCTGGAACCT
949	Table 3A	Hs 58488	AK022834	10434461	NT2RP2001149 /cds=UNKNOWN catenın (cadherin-associated protein), alpha-like 1 (CTNNAL1), mRNA	1	AGCTTTTGGGGTCAGATCTCTGGAAC ATCATGTGATGAAGCTGACATTTT
950	Table 3A	Hs.108779	AK022874	10434520	/cds=(43,2247) cDNA FLJ12812 fis, clone NT2RP2002498 /cds=(3,2360)	1	AGCAGTTAGGCTTGACTTTGAGGAGA GGCTGTGATGTTTATGATCCCTGA
951	Table 3A	Hs.56847	AK022936	10434613	cDNA FLJ12874 fis, clone	1	GCTGTCCACAGAAAACGCCCTTAAGT AGCCCTACCTTACTCCTTAGAGCT
952	Table 3A	Hs.14347	AK022939	10434618	NT2RP2003769 /cds=UNKNOWN cDNA FLJ12877 fis, clone	1	CATGGGTATTAATAGTCTTTGCTGCT
953	Table 3A	Hs.4859	AK022974	10434675	NT2RP2003825 /cds=(313,738) cyclin L ania-6a (LOC57018), mRNA	1	GGTAATACTGAAAGAACCTGCTTT AGGATTTGATTTCTTGAAACCCTCTA
954	Table 3A	Hs.193313	3 AK023013	10434731		1	GGTCTCTAGAACACTGAGGACAGT GGACTCAGGAGCTAATACTGTCTACA
994	, asic on		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(ubiquinone) 1, subcomplex unknown, 2 (14.5kD, B14.5b), clone MGC.1432 IMAGE 2990086, mRNA, complete cds		GTGGAGCTTGGTGCAATTAGAAGC
1 955	Table 3A	Hs.288141	1 AK023078	1043483	/cds=(150,509) hypothetical protein MGC3156 (MGC3156), mRNA /cds=(156,2501)	1	ACCAGGAGGACAGAGTTTGCTTTCAT ATTTTCCCTGTAAGTAAGAGGGCT

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956	Table 3A	Hs 17279	AK023088		tyrosylprotein sulfotransferase 1 (TPST1), mRNA /cds=(81,1193)	1	CCATGAAGAAGCAAGACGAAAACACA CAGGAGGGAAAATCCTGGGATTCT
957	Table 3A	Hs.142442	AK023129	10434909	cDNA FLJ13067 fis, clone NT2RP3001712, highly similar to HP1-	1	TTGGAATTTGTGTTGCATGTAAGGCA ATCTTTCCTGTTGTAAATCTTCCT
958	Table 3A	Hs 180638	AK023143		BP74 protein mRNA /cds=UNKNOWN hypothetical protein FLJ13081	1	AGGAAACTGAGTAGACTCCTGTGTAA CCCTGTTTGGAACTTTGCCTTCTT
959	Table 3A	Hs 172035	AK023154	10434948	(FLJ13081), mRNA /cds=(170,2098) cDNA FLJ13092 fis, clone NT2RP3002147 /cds=(34,606)	1	TTTACAAGGCAGAATGGGGTGTAACA GTTGAATTAAACTAGCAATCACGT
960	Table 3A	Hs.7797	AK023166	10434966	TERF1 (TRF1)-interacting nuclear factor 2 (TINF2), mRNA	1	TAGTAGGAATGAAGTGGAAGTCCAG GCTTGGATTGCCTAACTACACTGCT
961	Table 3A	Hs.72782	AK023183	10434995		1	AGTGTTTAGTCTCATGTTGGGAACAC ATGAATGTGATGAACATAGTGAAT
962	Table 3A	Hs.234265	AK023204	10435025	cDNA FLJ13142 fis, clone NT2RP3003212, moderately similar to Rattus norvegicus lamina associated polypeptide 1C (LAP1C) mRNA /cds=(55,1443)	1	ACCCTTTGAGAGTTCCACAAGTGGTA GTAGAGTGGTTTAACGTCTTTCCT
963	Table 3A	Hs 236494	AK023223	10435057	RAB10, member RAS oncogene family (RAB10), mRNA /cds=(90,692)	1	TTGCCCCTTTTCTGTAAGTCTCTTGG GATCCTGTGTAGAAGCTGTTCTCA
964	Table 3A	Hs 288932	AK023256	10435106	hypothetical protein FLJ13194 (FLJ13194), mRNA /cds=(300,809)	1	ACTCATCAATTGAAAAGTCCTCCAAA AAGAGAACTATTGGGAAACCATGG
965	Table 3A	Hs.126925	AK023275	10435137	hypothetical protein FLJ13213 (FLJ13213), mRNA /cds=(233,1669)	1	AGATGGGTGAATCAGTTGGGTTTTGT AAATACTTGTATGTGGGGAAGACA
966	Table 3A	Hs.75748	AK023290	10435162	cDNA FLJ13228 fis, clone OVARC1000085, highly similar to mRNA for proteasome subunit HC5 /cds=UNKNOWN	1	TCAGACCTGGTTGATTTTGTACTTTG GAACTGTACCTTGGATGGTTTTGT
967	Table 3A	Hs.285017	AK023291	10435163		1	GTATCTCATGGCCTCTTGATGTGGAA AGAAGTTGACAGAGGGTTGCAGGG
968	Table 3A	Hs.288929	AK023320	10435204		1	AGTTCAGTGAGAAGAAACCAGAACAC TTGTTCCTAGTGTTGTGTT
969	Table 3A	Hs.227400	AK023362	10435266		1	GCAGATGGCTATGTGCTAGAGGGCA AAGAGTTGGAGTTCTATCTTAGGAA
970	Table 3A	Hs.155160	AK023379	10435291		1	TTGGTGTCAATGATCTGGTGACAATA GGATTACATTGGAGCCAATTGAAT
971	Table 3A	Hs.125034	AK023402	10435324		1	AACTAGAAGATGTACTTCGACAGCAT CCATTTTACTTCAAGGCAGCAAGA
972	Table 3A	Hs.285107	AK023459	10435401	hypothetical protein FLJ13397 (FLJ13397), mRNA /cds=(221,1558)	1	ATACACTTTTCCAAATTTGTCCCAACA GCCCTGTAAGCCAGCTTTCTTCT
973	Table 3A	Hs.172028	AK023460	10435403	a disintegrin and metalloproteinase domain 10 (ADAM10), mRNA	1	GCATTTTCTTCACTTGCAGGCAAACT TGGCTCTCAATAAACTTTTACCAC
974	Table 3A	Hs.315054	AK023470	10435414	hypothetical protein MGC15875 (MGC15875), mRNA /cds=(651,1178)	1	ATTAGACCAGACCAGTGTATTTCTAA AGAAAATCCTGACATGCACACCCA
975	Table 3A	Hs.164005	AK023494	10435442	cDNA FLJ13432 fis, clone PLACE1002537 /cds=UNKNOWN	1	AGCCAAATGTGTCATACATCAAATCT TCAGCAGCTTTTGCATAATCCAGG
976	Table 3A	Hs.129872	AK023512	10435467	sperm associated antigen 9 (SPAG9), mRNA /cds=(110,2410)	1	TCCTCAAAGGGGAAAACTATGAAGGG GAAGAAGACAAACCTAAGATACCA
977	Table 3A	Hs.63525	AK023529	10435489	cDNA FLJ13467 fis, clone PLACE1003519, highly similar to hnRNP-E2 mRNA /cds=UNKNOWN	1	AGATGGACTGGAGCTTTTTCTTTGTG AATAGAAACTGGATGCCACAGTGA
978	Table 3A	Hs.116278	AK023633	10435617	cDNA FLJ13571 fis, clone PLACE1008405 /cds=UNKNOWN	1	AGTTGTCAGAAGACTCCTGGGTGTAC AGAGCAAATCAAGCTGCATCAGTA
979	Table 3A	Hs.43047	AK023647	10435632	cDNA FLJ13585 fis, clone PLACE1009150 /cds=UNKNOWN	1	AGTGGCTTCATAGCTACTGACAAATG TCTGAACTATTGTCGTGCCCTTCA
980	Table 3A	Hs 163495	AK023670	10435662	cDNA FLJ13608 fis, clone PLACE1010628 /cds=UNKNOWN	1	GCCTGTACAAACATTCAAGTTAGTTG GCAGTCTATAAATGTGAGTTGGGT
981	Table 3A	Hs.17448	AK023680	10435678	cDNA FLJ13618 fis, clone PLACE1010925 /cds=UNKNOWN	1	AAGGAAGGTAAAGTTAGGGGACTAG AAGACTCTAAATTGGCTTCTACAGA
982	Table 3A	Hs.178357	AK023719		hypothetical protein FLJ13657 (FLJ13657), mRNA /cds=(87,1172)	1	AGAACTAATTGCCCATGTTTAATTATA GCAGACACGCCATTCTAACAGGT
983	Table 3A	Hs.30818	AK023743	10435768	CDNA FLJ13681 fis, clone PLACE2000014, weakly similar to HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III	1	AACTTGGTATTGTTGTAGTTTATGTAG TAAGTGACTTGGCACCCATCAGA
984	Table 3A	Hs.157777	AK023779	10435815	cDNA FLJ13717 fis, clone PLACE2000425 /cds=UNKNOWN	1	AGTTTAACTTTTCCTCACCCCTGTATA GAAAATGCCTTGCCT
985	Table 3A	Hs.7871	AK023813	10435861		1	GTCTTGGGCTGGATGGGTTATAGAG CTGAGCGGCTGTGATGGTTCTGTTT

					10000		
986	Table 3A	Hs.49391	AK023825	10435876	cDNA FLJ13763 fis, clone	1	GACACATCTAGAATGTTTTTCTTTCAC CGTACCTCCAAAAGAGGCAATTT
987	Table 3A	Hs 119908	AK023975	10436193	PLACE4000089 /cds=(56,547) nucleolar protein NOP5/NOP58	1	ACCAGGGATGCTCTCTAACGTAATCA
988	Table 3A	Hs 26039	AK023999	10436234	(NOP5/NOP58), mRNA /cds=(0,1589) cDNA FLJ13937 fis, clone	1	AGGGAAGGTTCAGTAAGACAAAGT ACACAGTTCAGTTTTTGAGGGAACTA
989	Table 3A	Hs 23170	AK024023	10436276	Y79AA1000805 /cds=UNKNOWN homolog of yeast SPB1 (JM23), mRNA	1	GTTTTGTCATAATACTACACCCCT TGCAGTGGGAATTCTTGAGTGAGGTC
990	Table 3A	Hs 24719	AK024029	10436287	/cds=(300,1289) cDNA FLJ13967 fis, clone	1	TTACCTCTTCTTTAAACCTCTTCA AAGGCAGAATAGAAT
					Y79AA1001402, weakly similar to paraneoplastic cancer-testis-brain		TTAAGTTTGCAATGACCATCTTGA
991	Table 3A	Hs 168232	AK024030	10436289	antigen (MA4) mRNA /cds=(684,1397) hypothetical protein FLJ13855	1	TGCCCTAATCTTGAGTTGAGGAAATA
992	Table 3A	Hs.129872	AK024068	10436350	(FLJ13855), mRNA /cds=(314,1054) sperm associated antigen 9 (SPAG9),	1	TATGCACAGGAGTCAAAGAGATGT GCTAGATTGTGAAGTACATGGGATTT CATGAGCCAGAGGAGGCATTTGGA
993	Table 3A	Hs.333300	AK024088	10436379	mRNA /cds=(110,2410) hypothetical protein FLJ14026 (FL 144026) = RNA /cdo=(57,1826)	1	GCCTCAAAGAAAACCCAGAGTGCCCT GTTCTAAAACGTAGTTCTGAATCC
994	Table 3A	Hs 281434	AK024090	10436383	(FLJ14026), mRNA /cds=(57,1826) cDNA FLJ14028 fis, clone HEMBA1003838 /cds=UNKNOWN	1	AATCCCAGGGCTTGGTTAAGTGCTGT GTGATAACTTGTTTGGATGAGACT
995	Table 3A	Hs 287864	AK024092	10436385	cDNA FLJ14030 fis, clone HEMBA1004086 /cds=UNKNOWN	1	AGGTTTCTTACCCAACACAAATGGAC AGTGGATTTGACTTTCTAAAGACT
996	Table 3A	Hs.288856	AK024094	10436388	prefoldin 5 (PFDN5), mRNA /cds=(423,926)	1	CCTGGTGATGGGAAGGGTCTTGTGTT TTAATGCCAATAAATGTGCCAGCT
997	Table 3A	Hs.206868	AK024118	10436421	cDNA FLJ14056 fis, clone HEMBB1000335 /cds=UNKNOWN	1	AAAATATTGAGCCAGGCCCTGGGGA AGTGGGAAGTGAGAGCCAGAGCGGC
998	Table 3A	Hs 118990	AK024119	10436422	cDNA FLJ14057 fis, clone	1	AGCACACAAGGAATCCCAGAAAATGT
999	Table 3A	Hs 235498	AK024137	10436443	HEMBB1000337 /cds=UNKNOWN hypothetical protein FLJ14075	1	TGGCTGAAGGAATAAATGGATGGA CACTGCCTACCGCCATTCATGATTAA
1000	Table 3A	Hs.289037	AK024197	10436518	(FLJ14075), mRNA /cds=(111,2027) cDNA FLJ14135 fis, clone	1	ACCATCCAGAAATACCATCCCTGT AAATGAGATGGCCTCTGCGGACACAT
1001	Table 3A	Hs.289088	AK024202	10436523	MAMMA1002728 /cds=UNKNOWN heat shock 90kD protein 1, alpha	1	GAAAGGGTACTTCAGCTTACCAAA TGGACTAGGAGAGACTTGATTTTGGT
1002	Table 3A	Hs.14070	AK024228	10436554	(HSPCA), mRNA /cds=(60,2258) hypothetical protein FLJ14166	1	GCTAAAGTTCCCCAGTTCATATGT CTCACAGCCAGCACGACCCCCAGAA
1003	Table 3A	Hs.24115	AK024240	10436567	(FLJ14166), mRNA /cds=(203,568) cDNA FLJ14178 fis, clone	1	AGAGGCGTCCCACAATAAACACGTC ACAGAACATTGAGATGTGCCTAGTTC CGTATTTACAGTTTGGTCTGGCTG
1004	Table 3A	Hs 193063	AK024263	10436597	NT2RP2003339 /cds=UNKNOWN cDNA FLJ14201 fis, clone NT2RP3002955 /cds=UNKNOWN	1	TGAATTTCAGATGGGTGATTTAAGTG AGTCACAAGTCACAAAACTTTGCT
1005	Table 3A	Hs.183506	AK024275	10436615	hypothetical protein FLJ14213 (FLJ14213), mRNA /cds=(119,841)	1	TGTACTTAAGTGCTGATGACTGTTAG CCAGTTTACAACTTTTTACCATCG
1006	Table 3A	Hs.109441	AK024297	10436644	cDNA FLJ14235 fis, clone NT2RP4000167 /cds=(82,2172)	1	TTCTGAACATTTTAGTCAAGCTACAAC AGGTTTGGAAAACCTCTGTGGGG
1007	Table 3A	Hs.9343	AK024327	10436684	cDNA FLJ14265 fis, clone PLACE1002256 /cds=UNKNOWN	1	TGTCAAGGGCATTAAAAGCCTCCTGA AGCATAATCTTATCAAAGGGATAC
1008	Table 3A	Hs.287631	AK024331	10436690	cDNA FLJ14269 fis, clone PLACE1003864 /cds=UNKNOWN	1	TCAGTCCATCTCAAGACCTGTGCCTG TCAGATTTCACAATTATGGAGATT
1009	Table 3A	Hs.287634	AK024372	10436742	hypothetical protein FLJ14310 (FLJ14310), mRNA /cds=(406,768)	1	GGTAGGAGTGAAATCTCTCTCTCAAA CTCTAGGAAAGCCCGAGTCATACT
1010	Table 3A	Hs.246112	AK024391	10436767	cDNA FLJ14329 fis, clone PLACE4000259, highly similar to gene	1	ACAGCAGGTGTCATGGGTCAAGCATA AATCATATATAGCATTTTCAGGCA
					for U5 snRNP-specific 200kD protein /cds=(188,5623)		
1011	Table 3A	Hs 246112	AK024391	10436767	cDNA FLJ14329 fis, clone PLACE4000259, highly similar to gene	1	ACAGCAGGTGTCATGGGTCAAGCATA AATCATATATAGCATTTTCAGGCA
					for U5 snRNP-specific 200kD protein /cds=(188,5623)		TOTOCOTOCOTATOACTOTACACCC
	Table 3A		AK024426		mRNA for FLJ00015 protein, partial cds /cds=(373,1296)	1	TGTGGGTCCCTATGAGTGTAGAGCC CATATCCCCATAGAGTCTACCTAGA TGTTTTCATTTCA
1013	Table 3A	MS.171118	AK024436	10440380	DNA sequence from clone RP11- 165F24 on chromosome 9. Contains the 3' end of the gene for a novel	1	CTGTCAGCATATGTATATCAGCT
					protein (similar to Drosophila CG6630 and CG11376, KIAA1058, rat TRG), an		
					RPL12 (60S ribosomal protein L12) pseudogene, ESTs, STSs, GSSs and a		
	- 11		4460		CpG island /cds=(0,4617)	4	TOOOTACTOCAAAACCACTTTCACA
1014	Table 3A	Hs.43616	AK024439		mRNA for FLJ00029 protein, partial cds /cds=(0,723)	1	TGGCTACTGCAAAACCAGTTTTGACA GGTCAGATTTTCATATGTATAGGT
	Table 3A		AK024449		mRNA for FLJ00041 protein, partial cds /cds=(0,994)	1	AGAGGTTCTGAAAGGTCTGTGTCTTG TCAAAACAAGTAAACGGTGGAACT ATGCGTCCTGGTTTTCAATCGCTGCT
1016	Table 3A	HS 289034	AK024456	10440425	mRNA for FLJ00048 protein, partial cds /cds=(2940,3380)	1	GAACAAACCTATCAAAAATGTAGC

					Table 0		
1017	Table 3A	Hs.273230	AK024471	10440455	mRNA for FLJ00064 protein, partial cds /cds=(0,830)	1	AGTATGATCCCTCAAAACCTCACTAA CTGGAAGGATGATTTTGTCTCAGT
1018	Table 3A	Hs 41045	AK024474	10440461	mRNA for FLJ00067 protein, partial cds /cds=(1209,2933)	1	GAGGGTTCCTCACTGAGGTTGAGAG GTGTGTTGGATAGGACTGATCCCAC
1019	Table 3A	Hs 7049	AK024478	10440469	mRNA for FLJ00071 protein, partial cds /cds=(3020,3772)	1	AAGTGTGGTTCCTGAAGGCTGTCTTT GTAACTTTTTGTAGTTCTTTGTGT
1020	Table 3A	Hs 6289	AK024539	10436843	hypothetical protein FLJ20886 (FLJ20886), mRNA /cds=(0,524)	1	AATCCTTTAACTCTGCGGATAGCATT TGGTAGGTAGTGATTAACTGTGAA
1021	Table 3A	Hs.108854	AK024569	10436879	cDNA: FLJ20916 fis, clone ADSE00738, highly similar to	1	CTGGAAAGGGGGCTAAGATCAGGGC CTTCATTCTGGATCAGGCGAAATTT
1022	Table 3A	Hs.10362	AK024597	10436910	AF161512 HSPC163 mRNA cDNA. FLJ20944 fis, clone	1	GTTCCTCTTCGGGAAGCTTTTGATAA
1023	Table 3A	Hs.289069	AK024669	10437005	ADSE01780 /cds=UNKNOWN hypothetical protein FLJ21016	1	GGAATTCTCAGACCGATAGGGTGT AGTTTTGTACTTTTCACATAGCTTGTT GCCCCGTAAAAGGGTTAACAGCA
1024	Table 3A	Hs.10600	AK024740	10437104	(FLJ21016), mRNA /cds=(90,1193) DNA sequence from clone RP11- 353C18 on chromosome 20 Contains	1	TTGGATCTGGTTCTGAGGAGGACACA CCTGGCATCGGATGACCTTTATAA
					ESTs, STSs, GSSs and CpG islands. Contains the NIFS gene for cysteine desulfurase, two genes for novel proteins and the gene for the splicing		
1025	Table 3A	Hs.12293	AK024756	10437124	factor CC1.3 with a second isoform hypothetical protein FLJ21103 (FLJ21103), mRNA /cds=(88,1143)	1	TAGACATGCTTGTGTCCACACAGCAC ACCAATGTGATACTTCCACTGACC
1026	Table 3A	Hs.23410	AK024764	10437139	translocase of inner mitochondrial membrane 13 (yeast) homolog B	1	ATGGGATGCGGTGGGTTGCCCAATA AACGGCTGTGGAGTGGA
1027	Table 3A	Hs.180139	AK024823	10437226	(TIMM13B), mRNA /cds=(46,333) SMT3 (suppressor of mif two 3, yeast) homolog 2 (SMT3H2), mRNA /cds=(90,377)	1	TTTGTACGTAGCTGTTACATGTAGGG CAATCTGTCTTTAAGTAGGGATAA
1028	Table 3A	Hs.159557	AK024833	10437239	karyopherin alpha 2 (RAG cohort 1, importin alpha 1) (KPNA2), mRNA /cds=(132,1721)	1	GGAATTTCCTATCTTGCAGCATCCTG TAAATAAACATTCAAGTCCACCCT
1029	Table 3A	Hs.325093	AK024863	10437271		1	GAGATGAGTTTTGTTATTTTGGGGTT TTCAAGCATTGGAACCAAAGGCCA
1030	Table 3A	Hs.306720	AK024890	10437303	cDNA: FLJ21237 fis, clone COL01114 /cds=UNKNOWN	1	TCACTTAGACCCCTGTAACAGGTTAA ATCTTCATGGTGTTCTGTTTCCTA
1031	Table 3A	Hs.135570	AK024921		cDNA: FLJ21268 fis, clone COL01718 /cds=UNKNOWN	1	GCTCTCCAGACTGTTACAGTGCATGA GTGATAATAAAAATGAGTCAGTCA
1032	Table 3A	Hs.6019	AK024941		cDNA: FLJ21288 fis, clone COL01927 /cds=UNKNOWN	1	GGAGGTAAACATTGGAGATGTTTGTG AAAATATTACTCTTGCTGTGAGGT
1033	Table 3A	Hs.1279	AK024951	10437374	cDNA: FLJ21298 fis, clone COL02040, highly similar to HSC1R mRNA for complement component C1r /cds=UNKNOWN	1	GGCCCCTTTCTTTCTTCTGAGGATTG CAGAGGATATAGTTATCAATCTCT
1034	Table 3A	Hs 29977	AK024961	10437386	hypothetical protein FLJ21308 (FLJ21308), mRNA /cds=(287,1792)	1	TCAACAGCACTTAAACTGAAGTTTGG GTTGCTCATACAATAAACAGATTG
1035	Table 3A	Hs.166254	AK024969	10437396	hypothetical protein DKFZp566l133 (DKFZP566l133), mRNA	1	GGGCCATTTTATGATGCATTGCACAC CCTCTGGGGAAATTGATCTTTAAA
1036	Table 3A	Hs.156110	AK024974	10437403	cDNA: FLJ21321 fis, clone COL02335, highly similar to HSA010442 mRNA for immunoglobulin kappa light chain /cds=UNKNOWN	1	TTTTCCACAGGGGACCTACCCCTATT GCGGTCCTCCAGCTCATCTTTCAC
1037	Table 3A	Hs.323378	AK024976	10437405	coated vesicle membrane protein (RNP24), mRNA /cds=(27,632)	1	GGGTGAGAACACTTGCAACAGTTTAT TAATGAGGTGACTTTCACCTTAGG
1038	Table 3A	Hs 21056	AK025019	10437453	cDNA: FLJ21366 fis, clone COL03012, highly similar to AB002445 mRNA from chromosome 5q21-22	1	AATGTACCATCAATAAAATTGGCTGC TTGGGCAGTTTTAGTTACCACCTT
1039	Table 3A	Hs.337266	AK025021	10437455	RC-BT163-140599-023 cDNA	1	TTTTCAGAGGCTTCCTAATTAATCTTG CCCTCCTCCATTTCAGTCCATTT
1040	Table 3A	Hs 120170	AK025068	10437507	hypothetical protein FLJ21415 (FLJ21415), mRNA /cds=(138,755)	1	AGCTCCAACCTTACGATGGAGAATTA AACTTGCTTGTATTTCCACTTTGT
1041	Table 3A	Hs.288872	2 AK025092	10437538	mRNA for KIAA1840 protein, partial cds /cds=(71,4384)	1	AGCTTCCTCTTCCTCAGGACAGCTTC TACTTTAGATGATCCAATAATGAT
1042	Table 3A	Hs 14555	AK025166	10437628	/cds=UNKNOWN	1	CACTGACTTCTATTCCATGAGCTTTTT CAAGGCGCTTATTTTATGGCAGC
1043		Hs.83623	AK025198	10437662	member 3 (NR1I3), mRNA	1	TGTTTCGTAAATTAAATAGGTCTGGC CCAGAAGACCCACTCAATTGCCTT
1044		Hs 322680			cDNA: FLJ21547 fis, clone COL06206 /cds=UNKNOWN	1	GGAAGACCCAAGGAAATCCGGAATTT CGCACCAGAGGACCCACCACGTCC TCTTGTTACTTCCAAGGAGAACCAAG
1045		Hs.10888	AK025212		hypothetical protein FLJ21709 (FLJ21709), mRNA /cds=(55,2316)	1	AATGGCTCTGTCACACCTCGAAGCC TCTTTCTCTAAAGCTTGTTTGATGAAA
1046			3 AK025215		hypothetical protein FLJ21562 (FLJ21562), mRNA /cds=(238,2145)	1	CTGGTTGGTCCTTTCAGTGAACA GCTGTGTGACTTAGTAGATAAAATAC
1047	Table 3A	HS 337561	1 AK025269	10437749	hypothetical protein FLJ21616 (FLJ21616), mRNA /cds=(119,1093)	I	TGCCTTCTGCCTTTGGGACCATGA

1048	Table 3A	Hs.2083	AK025306		cDNA FLJ21653 fis, clone COL08586, highly similar to HUMKINCDC protein	1	TCTGTAATTGGACAGCTCTCTCGAAG AGATCTTACAGACTGTATCAGTCT
1049	Table 3A	Hs.76230	AK025353	10437852	kinase mRNA /cds=UNKNOWN cDNA: FLJ21700 fis, clone COL09849, highly similar to HSU14972 ribosomal	1	GGTCGTGGACGTGGTCAGCCACCTC AGTAAAATTGGAGAGGATTCTTTTG
1050	Table 3A	Hs 117268	AK025364	10437866	protein S10 mRNA /cds=UNKNOWN cDNA: FLJ21711 fis, clone COL10156 /cds=UNKNOWN	1	AAAGTGAAACCAAGAGTACAAGAGAC AGGTGAAATTAAAGAGCCCCTTGA
1051	Table 3A	Hs.5181	AK025367	10437869	proliferation-associated 2G4, 38kD (PA2G4), mRNA /cds=(97,1281)	1	GTCCAGGATGCAGAGCTAAAGGCCC TCCTCCAGAGTTCTACAAGTCGAAA
1052	Table 3A	Hs.288061	AK025375		actın, beta (ACTB), mRNA /cds=(73,1200)	1	CCAACTTGAGATGTATGAAGGCTTTT GGTCTCCCTGGGAGTGGGTGGAGG
1053	Table 3A	Hs.14040	AK025425		cDNA: FLJ21772 fis, clone COLF7808 /cds=UNKNOWN	1	TTCCTCATCCCATTTACAGTTTTTCTA ACTCCAGGGTAGTGTTTAGTGTT CATGCCAAAGACTCAACTGCTTTCAA
1054	Table 3A	Hs.85963	AK025446 AK025459	10437961	cDNA: FLJ21793 fis, clone HEP00466 /cds=UNKNOWN tumor rejection antigen (gp96) 1	1	AGATAATGTGGGTGCTAGATGCAG TCCCCTTCTCCCCTGCACTGTAAAAT
1055	Table 3A	Hs.82689	AKU20409		(TRA1), mRNA /cds=(105,2516)		GTGGGATTATGGGTCACAGGAAAA
1056	Table 3A	Hs 289008	AK025467		cDNA: FLJ21814 fis, clone HEP01068 /cds=UNKNOWN	1	ACCATGCATAGAGTCAATCAAATCCT TGTGATGTTTTGTATGGACTTTGA TGTGCTGCCTCAAGACTGCTGGAGTC
1057	Table 3A	Hs.22678	AK025485		chromosome 10 open reading frame 2 (C10orf2), mRNA /cds=(32,1552)	1	AGGACATTTTATAGAGCCTTTTCC GTGCAGTCTCTTAGCAGACTTCAGGC
1058	Table 3A	Hs.184793	AK025533	10438078	Homo sapiens, clone IMAGE:3865907, mRNA, partial cds /cds=(0,1534)	,	CCAAACTGTATTCTTCACTCAGGC
1059	Table 3A	Hs.121849	AK025556	10438106	microtubule-associated proteins 1A/1B light chain 3 (MAP1A/1BLC3), mRNA /cds=(84,461)	1	GTTAGTGAAAGCTGTTTACTGTAACG GGGAAAACCAGATTCTTTGCATCT
1060	Table 3A	Hs.110771	AK025557	10438108	cDNA: FLJ21904 fis, clone HEP03585 /cds=UNKNOWN	1	GCTTCTGTAAATGCCATCCCAATGTG GTTTGGTTTTGTTGAACAGAAACC
1061	Table 3A	Hs.82845	AK025583	10438142	cDNA: FLJ21930 fis, clone HEP04301, highly similar to HSU90916 clone 23815 mRNA sequence /cds=UNKNOWN	1	TTGCCTCGATAAGTTTCCAAGTCACT GAAATCTGCTGAAGGTTTTACTGT
1062	Table 3A	Hs.27268	AK025586	10438146	cDNA: FLJ21933 fis, clone HEP04337 /cds=UNKNOWN	1	ACTTCTGAACTGAGGAATTTGCTGTT GACAGCCAAAGTATAGTGTACAAG
1063	Table 3A	Hs.7567	AK025615		cDNA: FLJ21962 fis, clone HEP05564 /cds=UNKNOWN	1	AGAGCCATCTGGTGTGAAGAACTCTA TATTTGTATGTTGAGAGGGCATGG
1064	Table 3A	Hs.5985	AK025620	10438193	cDNA: FLJ21967 fis, clone HEP05652, highly similar to AF131831 clone 25186 mRNA sequence /cds=UNKNOWN	1	AGAACAAGTTTGCCTTGATTTTGTTTA AAATGACTTCTGCTAAGCACCCA
1065	Table 3A	Hs.279901	AK025623	10438197	PTD009 protein (PTD009), mRNA /cds=(257,916)	1	CCTGCCAAAGCAAGAAGAAGGCTTG GTCCCCAGAAACAAACAGTAGTCAT
1066	Table 3A	Hs.339696	AK025643	10438224	ribosomal protein S12 (RPS12), mRNA /cds=(80,478)	1	GGAGTCTCAGGCCAAGGATGTCATT GAAGAGTATTTCAAATGCAAGAAAT
1067	Table 3A	Hs.339696	AK025643	10438224	/cds=(80,478)	1	GGAGTCTCAGGCCAAGGATGTCATT GAAGAGTATTTCAAATGCAAGAAAT
1068	Table 3A	Hs.334489		10438227	(FLJ21992), mRNA /cds=(60,845)	1	TTTCATCTGAATCCAGAGGTGCATCA AATTAAATGACAGCTCCACTTGGC TTGACACGTTCCACTTCCTTTGCAATT
1069	Table 3A	Hs 92414	AK025683	10438280	cDNA: FLJ22030 fis, clone HEP08669 /cds=UNKNOWN	1	ATTGTATTTAGTTGTGCACTAGT
1070	Table 3A	Hs.173705	AK025703	10438305	cDNA: FLJ22050 fis, clone HEP09454 /cds=UNKNOWN	1	CCAAATCAACTGTGTGAACTGTTTCT GCACTGCTTGCTAATGGTTTCATC
1071	Table 3A	Hs.13277	AK025707		hypothetical protein FLJ22054 (FLJ22054), mRNA /cds=(144,956)	1	ATTGAGACGGGAAAAACTCGCTGTAA AATAATGCCAACCTAGATAATGCT
1072	Table 3A	Hs.5798	AK025729		pelota (Drosophila) homolog (PELO), mRNA /cds=(259,1416)	1	TGTTCTTGCATTGCATTTAATGATCCC TTTTCTCCCCCACCTCCACACACACT
1073	Table 3A	Hs.184542	AK025730		CGI-127 protein (LOC51646), mRNA /cds=(125,490)	1	TGCAGATTCCTAGTAGCATGCCTTAC CTACAGCACTATGTGCATTTGCTG
1074	Table 3A	Hs.75811	AK025732	10438341	N-acylsphingosine amidohydrolase (acid ceramidase) (ASAH), mRNA /cds=(17,1204)	1	GCAAGACCGTTTGTCCACTTCATTTT GTATAATCACAGTTGTGTTCCTGA
1075	Table 3A	Hs.77910	AK025736	10438345	cDNA: FLJ22083 fis, clone HEP14459, highly similar to HUM3H3M 3-hydroxy-3- methylglutaryl coenzyme A synthase mRNA /cds=UNKNOWN	1	AATTTAACTTTTGGGTGCCAGGAAAT GGGTTTTCTCAAAGTCCATTGCCG
1076	Table 3A	Hs.170296	AK025743	10438355		1	TCGTGGAAGGGAGAGCCATCAGCAG AAAGAGACCCTGAGATCTTCGCCTG
1077	Table 3A	NA	AK025767		FLJ22114 fis, clone HEP18441	1	AAACACACCAGGGAGACACCATAAAA CAGACCAAGACTAACTTAAAAACA
1078	Table 3A	Hs 34497	AK025769	10438386	hypothetical protein FLJ22116 (FLJ22116), mRNA /cds=(270,3545)	1	AACCACAATCAAACATATAAATAAGC CTGGAAAACCAACTACAACCAGCA
1079	Table 3A	Hs.5822	AK025773	1043839 ⁻		1	TTTCCTGATTATTTGATGCTAGCTGG AATTCAAGAAATGGCATTGACCTT

1080	Table 3A	Hs.264190	AK025774	10438392	cDNA: FLJ22121 fis, clone HEP18876, highly similar to AF191298 vacuolar * sorting protein 35 (VPS35) mRNA /cds=UNKNOWN	1	TCACCCCAAGTAGCATGACTGATCTG CAATTTAAAAATTCCTGTGATCTGT
1081	Table 3A	Hs 12245	AK025775	10438393	cDNA FLJ22122 fis, clone HEP19214 /cds=UNKNOWN	Î	TGAGAAGTGCGGAATAGGTTGCTTCT ACCACCTGTTCTTAATGTAACAGT
1082	Table 3A	Hs.26367	AK025778	10438396	PC3-96 protein (PC3-96), mRNA /cds=(119,586)	1	TCGAATGAGTGGTCAGGTAGTCTTAA AGAGCCTCATGTTAAATAGACACA
1083	Table 3A	Hs.285833	AK025788	10438408	cDNA: FLJ22135 fis, clone HEP20858 /cds=UNKNOWN	1	TGAAGTGCAAATAAAAGCACTGCTAC TATAAGACATTCTGGAATGGTTGT
1084	Table 3A	Hs.90421	AK025800	10438421	cDNA FLJ22147 fis, clone HEP22163, highly similar to AF113020 clone FLB9138 mRNA sequence	1	GCAGTCCCCAGATCCAGAACATGGG AAGTTAGGGAAAATGTGTGATTTTG
1085	Table 3A	Hs 289721	AK025846	10438485	cDNA: FLJ22193 fis, clone HRC01108 /cds=UNKNOWN	1	AGGTATGACAGGAACTGTCTTCATGT CCTTACCCAAGCAAGTCATCCATG
1086	Table 3A	Hs 286194	AK025886	10438538	hypothetical protein FLJ22233 (FLJ22233), mRNA /cds=(35,1204)	1	AATTTTGAATTTCTCCTTGCCACGTTA ATAAAGCCAAAAGCAGCGGGTGC
1087	Table 3A	Hs 279921	AK025927	10438592	HSPC035 protein (LOC51669), mRNA /cds=(16,1035)	1	TGACTCTGTGCTGGCAAAAATGCTTG AAACCTCTATATTTCTTTCGTTCA
1088	Table 3A	Hs.105664	AK025947	10438619	hypothetical protein FLJ22294 (FLJ22294), mRNA /cds=(240,602)	1	GCTCTCCCACAGAAACCTTTGTCCTT GCAACTTTATCCTTTGTCCCGATT
1089	Table 3A	Hs.55024	AK026024	10438731	hypothetical protein FLJ10307 (FLJ10307), mRNA /cds=(28,462)	1	TTGCCTTAGCCAGTGTACCTCCTACC TCAGTCTATGTGAGAGAGAGAGAA
1090	Table 3A	Hs.289092	AK026033	10438744	Homo sapiens, coactosin-like protein, clone MGC:19733 IMAGE:3604770,	1	ACTGTATTGGGATTGTAAAGAACATC TCTGCACTCAGACAGTTTACAGAA
1091	Table 3A	Hs.288555	AK026078	10438812	mRNA, complete cds /cds=(158,586) cDNA: FLJ22425 fis, clone HRC08686	1	GTGTGTGTGCATGTGTGTGTTAGCAG AGGTATTTTACTCAGAAAATAGGT
1092	Table 3A	Hs.333500	AK026091	10438829	cDNA: FLJ22438 fis, clone HRC09232, highly similar to AF093250 P38IP	1	GCCAGTCAAAAAGTAAAATGAAGAGA GGCACGCCAACCACTCCAAAATTT
1093	Table 3A	Hs.238707	AK026110	10438854		1	CACTTTGTGGTCGAAAGGCTCAGCCT
1094	Table 3A	Hs.77385	AK026164	10438926	highly similar to HUMMYLCB non-	1	CTCTACATGAAGTCTGTGGACATG AGGCTTTCTTGTCTCAGCAACTTTCC CATCTTGTCTCTTTGGATGATGT
			*******	40.400000	muscle myosin alkalı light chain mRNA /cds=UNKNOWN	1	TTTTCTTTTTGAAGCATGGAAAACAA
1095	Table 3A	Hs.13179	AK026239	10439028	/cds=UNKNOWN		ATCTTTTATGCCACTCCAGCCAT CCATGATATAAGGAAGGGCCGTGCC
1096	Table 3A	Hs.27774	AK026264	10439063	/clone=IMAGE:4515730 /clone_end=5'	1	TCATGGAAAAGCAACAGGTGGCCTC
1097	Table 3A	Hs.297666	AK026270	10439073	cDNA: FLJ22617 fis, clone HSI05379, highly similar to HSEWS EWS mRNA /cds=UNKNOWN	1	TAAAGGCGAGCACCGTCAGGAGCGC AGAGATCGGCCCTACTAGATGCAGA
1098	Table 3A	Hs 31137	AK026334	10439167	protein tyrosine phosphatase, receptor type, E (PTPRE), mRNA	1	TGAGCCTGACACCTGTGTTTCAGCAT TTGGAGACATCCCCATGTTATTCT
1099	Table 3A	Hs.236744	AK026359	10439200		1	CTGAGCCACATCCAAGCCTGGTTTGC TGCACTCTATTGCCAAAGACTGAC
1100	Table 3A	Hs.288936	AK026363	10439205		1	ACTTGCCTCATTCTCATCATCCAAACT GAACATTTGTATCCCAAGCAGAA
1101	Table 3A	Hs.143631	AK026372	10439218		1	GTATGAAGAAGGAAGCCCAGCAGAG CAGGAGGCAGCAGCAACAATGAGAG
1102	Table 3A	Hs 157240	AK026394	10439245	hypothetical protein MGC4737 (MGC4737), mRNA /cds=(2350,2985)	1	CTGTGTGTGTCCATGTCTGCAAGCAG TTCTTCAATAAATGGCCTGCCTCC
1103	Table 3A	Hs.112497	AK026396	10439247		1	TCAAAGCAGAGCACAGAGTTATTTGG TGTTTGCTGAAGACAGCCTTTGTG
1104	Table 3A	Hs.236449	AK026410	10439266	hypothetical protein FLJ22757 (FLJ22757), mRNA /cds=(92,2473)	1	ACTTCCATCTCAGCTAATGCACCCAC CAGCTCAAACACACCAATAAAGCT
1105	Table 3A	Hs.89555	AK026432	10439295	hemopoietic cell kinase (HCK), mRNA	1	TGCAATCCACAATCTGACATTCTCAG GAAGCCCCCAAGTTGATATTTCTA
1106	Table 3A	Hs.343522	AK026443	10439309	/cds=(168,1685) ATPase, Ca++ transporting, plasma membrane 4 (ATP2B4), mRNA	1	CAGAAACCAATACTGCTGTGCACTGA GAATAAAAACTCATGCCCCCTTGT
1107	Table 3A	Hs 32148	AK026455	10439325	/cds=(397,4014) AD-015 protein (LOC55829), mRNA	1	CACCAGTGAGGATTACTGATGTGGAC
1108	Table 3A	Hs 75415	AK026463	10439333	/cds=(30,644) cDNA: FLJ22810 fis, clone KAIA2933, highly similar to AB021288 mRNA for	1	AGTTGATGGGGTTTGTTTCTGTAT AAAGTAAGGCATGGTTGTGGTTAATC TGGTTTATTTTTTGTTCCACAAGTT
1109	Table 3A	Hs.118183	AK026486	10439358	beta 2-microglobulin /cds=UNKNOWN hypothetical protein FLJ22833	1	TAAGGGGTAGACAAGATACCGAATAA
1110	Table 3A	Hs.182979	AK026491	10439364	(FLJ22833), mRNA /cds=(479,883) cDNA: FLJ22838 fis, clone KAIA4494, highly similar to HUML12A ribosomal	1	TCTCCACAAGTTTATTTGTGGTCT ACATCAACAGTGGTGCTGTGGAATGC CCAGCCAGTTAAGCACAAAGGAAA
1111	Table 3A	Hs.2795	AK026515	10439391	protein L12 mRNA /cds=UNKNOWN	1	ACAAACAATGCAACCAACTATCCAAG TGTTATACCAACTAAAACCCCCAA

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1112	Table 3A	Hs.334807	AK026528		Homo sapiens, ribosomal protein L30, clone MGC:2797, mRNA, complete cds	1	TTCACCTACAAAATTTCACCTGCAAA CCTTAAACCTGCAAAATTTTCCTT
1113	Table 3A	Hs 239307	AK026535	10439414	/cds=(29,376) tyrosyl-tRNA synthetase (YARS), mRNA /cds=(0,1586)	1	GGGTACTTCTCCATAAGGCATCTCAG TCAAATCCCCATCACTGTCATAAA
1114	Table 3A	Hs.251653	AK026594	10439481	tubulin, beta, 2 (TUBB2), mRNA /cds=(0,1337)	1	CTTGCTGTTTTCCCTGTCCACATCCA TGCTGTACAGACACCACCATTGAA
1115	Table 3A	Hs 277477	AK026595	10439482	major histocompatibility complex, class I, C (HLA-C), mRNA /cds=(0,1100)	1	AAGTCAATTCCTGGAATTTGAAAGAG CAAATAAAGACCTGAGAACCTTCC
1116	Table 3A	Hs.334729	AK026603	10439492	transducer mRNA /cds=UNKNOWN	1	AAGCTACTGTGTGTGTGAATGAACAC TCTTGCTTTATTCCAGAATGCTGT
1117	Table 3A	Hs.334842	AK026632		tubulin, alpha, ubiquitous (K-ALPHA-1), mRNA /cds=(67,1422)	1	TGTCATGCTCCCAGAATTTCAGCTTC AGCTTAACTGACAGATGTTAAAGC
1118	Table 3A	Hs.179666	AK026642	10439539	uncharacterized hypothalamus protein HSMNP1 (HSMNP1), mRNA /cds=(231,1016)	1	AGGTGGTACTCAAGCCATGCTGCCTC CTTACATCCTTTTTGGAACAGAGC
1119	Table 3A	Hs.288036	AK026650	10439548	tRNA isopentenylpyrophosphate transferase (IPT), mRNA	1	TGCATCGTAAAACCTTCAGAAGGAAA GGAGAATGTTTTGTGGACCACTTT
1120	Table 3A	Hs 301404	AK026664	10439564	RNA binding motif protein 3 (RBM3), mRNA /cds=(276,749)	1	TGTGGTTAGGAAGCAATTTCCCAATG TACCTATAAGAAATGTGCATCAAG
1121	Table 3A	Hs.266940	AK026669	10439570	cDNA: FLJ23016 fis, clone LNG00874 /cds=UNKNOWN	1	GCCTGCGTTGCCACTTGTCTTAACTC TGAATATTTCATTTC
1122	Table 3A	Hs.288468	U00944		clone A9A2BRB6 (CAC)n/(GTG)n repeat-containing mRNA	1	AGCTAATATTGCTGCAATGGCTGGCA GGAAACAGGTGATCAAGAGTGTCA
1123	Table 3A	Hs.242868	AK026704	10439618	cDNA: FLJ23051 fis, clone LNG02642 /cds=UNKNOWN	1	TCGACCCCAGAGGTGAATGTATTGTT ATTATTGTTTTGTT
1124	Table 3A	Hs.334861	AK026712	10439629	hypothetical protein FLJ23059 (FLJ23059), mRNA /cds=(41,1681)	1	TCCTTGGCAGCTGTATTCTGGAGTCT GGATGTTGCTCTCTAAAGACCTTT
1125	Table 3A	Hs.12969	AK026747	10439670	cDNA: FLJ23094 fis, clone LNG07379, highly similar to HST000007 mRNA full length insert cDNA clone EUROIMAGE 293605 /cds=UNKNOWN	1	TTTGCCATGTCCAGTACAGAATAATTT GTACTTAGTATTTGCAGCAGGGT
1126	Table 3A	Hs.90077	AK026766	10439693		1	TAGAGAACCTATAGCATCTTCTCATT CCCATGTGGAACAGGATGCCCACA
1127	Table 3A	Hs.287725	AK026769	10439697	cDNA: FLJ23116 fis, clone LNG07945, highly similar to HSU79240 serine/threonine kinase mRNA /cds=UNKNOWN	1	AACTCATGTGCAGGTTTGATAAACAC CAGAACAGAAGACAGTGATGCTGT
1128	Table 3A	Hs.124292	AK026776	10439707		1	TGGCCCTGACAGTATTCATTATTTCA GATAATTCCCTGTGATAGGACAAC
1129	Table 3A	Hs.20242	AK026819	10439764	hypothetical protein FLJ12788 (FLJ12788), mRNA /cds=(9,866)	1	ACCTGGAGAGAGAAGGTATTGAAACA TCTCCTTTATGTGTGACTTTCCCA
1130	Table 3A	Hs.287995	AK026834	10439781		1	AGAAATACCCACTAACAAAGAACAAG CATTAGTTTTGGCTGTCATCAACT
1131	Table 3A	Hs.324060	AK026836	10439784	hypothetical protein FLJ23183 (FLJ23183), mRNA /cds=(226,732)	1	ATGGGCAAATTCTTAGGTAAGACAAA AACACAGCCCCAAGGGCAGGTAGT
1132	Table 3A	Hs.6906	AK026850	10439805		1	GCTGATGCCACTACCCGATTTGTTTA TTTGCAATTTGAGCCATTTAAAGA
1133	Table 3A	Hs.288455	AK026923	10439895		1	CCTGTTCCCTTCAGCCAACCCGTTTC TGCAGTAAAATTAAGCCTGTCAAA
1134	Table 3A	Hs.286236	AK026933	10439907	· · · · · · · · · · · · · · · · · · ·	1	TGGCTTAAACCAGTGTTCAGTCTGGT GCCAAACTTCGAATGGAATACAAA
1135	Table 3A	Hs.91065	AK026954	10439935	cDNA: FLJ23301 fis, clone HEP11120 /cds=(2,1888)	1	TGTGAGTTGTGACCATGTAACATGAG AGGTTTTGCTAGGGCCTATTATTT
1136	Table 3A	Hs.88044	AK026960	10439945		1	AGCTGAGTAATTCTAATCTCTTCTGT GTTTTCCTTGCCTTAACCACAAAT
1137	Table 3A	Hs.298442	AK026983	10439978		1	AATTTGCTAGAATCCAGTAAATCATTT TGGTAGCTCTGGCTGTGCTATCA
1138	Table 3A	Hs.301732	AK027016	10440025		1	TGGCTCGAAGTTTCTCTAGTGTTTTC TGTGGAAGGAATAAAAATTTGAGT
1139	Table 3A	Hs 3382	AK027064	10440089		1	ACTCTTGGGAGTGCTGCAGTCTTTAA TCATGCTGTTTAAACTGTTGTGGC
1140	Table 3A	Hs.85567	AK027067	10440093	suppressor of variegation 3-9 (Drosophila) homolog 2, hypothetic (SUV39H2), mRNA /cds=(37,1089)	1	TTTACATGATTGGACCCTCAGATTCT GTTAACCAAAATTGCAGAATGGGG
1141	Table 3A	Hs.48320	AK027070	10440098	mRNA for ring-IBR-ring domain containing protein Dorfin, complete cds /cds=(317,2833)	1	TGAAATCAAAGCACGGTGCAGAACTT GTACCAAGTACAAAAGGTCCATGT
1142	? Table 3A	Hs.115659	AK027114	10440156	hypothetical protein MGC5521 (MGC5521), mRNA /cds=(163,708)	1	CCTTACTCTGTCCTTGATGGAGGGGA GAAGGGAGGGCAAAGAAGTTAAAT
1143	Table 3A	Hs.113205	AK027136	10440188		1	CACCGCCATGCAACTCCATGCCTATT TACTGGAAACCTGTTATGCCAAAC

Table 8

1144	Table 3A	Hs 289071	AK027187	10440255	cDNA: FLJ22245 fis, clone HRC02612 /cds=UNKNOWN	1	CAAGAGAATGAAGGAGGCTAAGGAG AAGCGCCAGGAACAAATTGCGAAGA
1145	Table 3A	Hs 240443	AK027191	10440260	highly similar to BETA2 MEN1 region	1	AGTCTCGGGTATGCTGTTGTGAAATT GAAACTGTAAAAGTAGATGGTTGA
1146	Table 3A	Hs.323502	AK027192	10440261	17,	1	ACTAAACTACCCGAAGGACTTAGGTG
1147	Table 3A	Hs 159483	AK027194	10440263	t particular in a second	1	CTTTGTGTACTTAACCCCAGGACC GCCACCACTGTCTGTTTGAGACTCCT
1148	Table 3A	Hs.334853	AK027197	10440266	(C1orf7), mRNA /cds=(46,1590) hypothetical protein FLJ23544 (FLJ23544), mRNA /cds=(125,517)	1	TCATGAGCAAAGATTGATGTATGG ATGAATTTGAAGACATGGTGGCTGAA
1149	Table 3A	Hs.91448	AK027210	10440285	MKP-1 like protein tyrosine phosphatase (MKP-L), mRNA	1	AAGCGGCTCATCCCAGATGGTTGT AGCTTCAGTCTCTACTGGATTAGCCC
1150	Table 3A	Hs.169854	AK027212	10440288	hypothetical protein SP192 (SP192), mRNA /cds=(179,1603)	1	TACTCTTTCCTTTCCCCTCCATTA AGATGTGGTTATCACAAGTCTCGAGG
1151	Table 3A	Hs.57209	AK027232	10440314		1	GGGAAACTACTGCATAAAATAACT TCAGTAAAAATGCCTGTTGTGAGATG AACCTCCTGTAACTTCTATCTGTT
1152	Table 3A	Hs.54890	AK027243	10440328	cDNA FLJ14739 fis, clone NT2RP3002402 /cds=(156,2048)	1	AGTTAACTGCGGAGCCAAGAGTTGG ACTATAATTAAATTA
1153	Table 3A	Hs.279040	AK027258	10440392	HT001 protein (HT001), mRNA /cds=(241,1203)	1	CCGGTTTGGGTTGTTAATGGTTGAAA ACTTAGAGGAACATAGTGAGGCCT
1154	Table 3A	Hs.279040	AK027258	10440392	HT001 protein (HT001), mRNA /cds=(241,1203)	1	CCGGTTTGGGTTGTTAATGGTTGAAA ACTTAGAGGAACATAGTGAGGCCT
1155	Table 3A	Hs.152925	AK027260	10440394		1	CCAGTGATTTGATTAACTCAGGGCAA GGCTGAATATCAGAGTGTATCGCA
1156	Table 3A	Hs.183454	AK027789	14042727	cDNA FLJ14883 fis, clone PLACE1003596, moderately similar to OLIGOSACCHARYL TRANSFERASE	1	TTTTGACCCAGATGATGGTTCCTTTA CAGAACAATAAAATGGCTGAACAT
1157	Table 3A	Hs.122487	AL040371	5409324		1	ACTGGACATCGCCCTACGCAACCTCC
1158	Table 3A	Hs.79709	AL042370	5421708	/clone=IMAGE:4473836 /clone_end=5' phosphotidylinositol transfer protein	1	TCGCCATGACTGATAAGTTCCTTT ACTGCTGGTAGCATTTATCTGACTTG
1159	Table 3A	Hs.252721	AL042376	5421714	(PITPN), mRNA /cds=(216,1028) 602022214F1 cDNA, 5' end /clone=IMAGE:4157715 /clone_end=5'	1	GAAAGTTGGAGAAGAGGCATTCCT CTTCCGAAGAGAGAGGGCTGGGGCT GTAACTGGAAAGGGGAAGCGCACAG
1160	Table 3A	Hs.182278	AL046016	5434110	(phosphorylase kinase, delta), clone MGC:1447 IMAGE.3504793, mRNA,	1	CCTGACCTTGAGCTCTAGTCTCCCCT TTAAATCTTACCTTGGCAGTAACA
1161	Table 3A	NA	AL047171	5936355	complete cds /cds=(93,542) (synonym: hute1) cDNA clone	1	TTGGTCCCACAGTTTTTATGTGTCCT
1162	Table 3A	Hs.188757	AL049282	4500041	DKFZp586F2018 5' Homo sapiens, clone MGC:5564,	1	ACTTGAAATTATGTTTGCTCCCGT TGGAGGATTTTTGTTAAGTCAAGTGT
1163	Table 3A	Hs 104916	AL049305	4500074	mRNA, complete cds /cds=(227,304) hypothetical protein FLJ21940	1	CAATCGAAGTTAAAAAGCAAGGGT ATGGCTCTTTTCCTATTAGAGCAACTT
1164	Table 3A	Hs.99821	AL049319	4500092	(FLJ21940), mRNA /cds=(92,2107) hypothetical protein FLJ14547	1	GTGTTTCCCTGATAATGTGTACA GTCGTGACTGACTTGGTGTGTTGCTA
1165	Table 3A	Hs.77311	AL049332	4500108	(FLJ14547), mRNA /cds=(25,711) mRNA; cDNA DKFZp564L176 (from	1	TTGTGTTTCTATATACTCCGTCCA TTTAGTCCAGTGGTTTCCACAGCTGG
1166	Table 3A	Hs.86405	AL049340	4500124	clone DKFZp564L176) mRNA; cDNA DKFZp564P056 (from	1	CTAAGCCAGGAGTCACTTGGAGGC TGGAAGACAGTAAAGAACAGCCCTCT
1167	Table 3A	Hs 42915	AL049356	4500146	clone DKFZp564P056) ARP2 (actin-related protein 2, yeast) homolog (ACTR2), mRNA	1	GTAGTCAGTAAAGTTTCACCTTCT TGGGTGGAGTATTATGTTTAACTGGA
1168	Table 3A	Hs.184938	AL049782	4902604	Novel gene mapping to chomosome 13 /cds=UNKNOWN	1	GTTGTCAAGTATGAGTCCCTCAGG AAAGTAGTAAATCGGGCTGTCTTAAT
1169	Table 3A	Hs.326248	AK025724	10438333	cDNA. FLJ22071 fis, clone HEP11691 /cds=UNKNOWN	1	AGTGCGCCTGTTACTAATGGAATT ATGTCAAGCTTTGGGTCTCTGGAGTA TAACTTTTTGTAACATTAGCCATT
1170	Table 3A	Hs 139240	AL049942	4884185	mRNA; cDNA DKFZp564F1422 (from clone DKFZp564F1422) /cds=(0,1491)	1	ATCTAGGACACTCCATCAAACCTCC TCTTGCACTTTCCCTCTGGCTTCC
1171	Table 3A	Hs.22370	AL049951	4884198	mRNA; cDNA DKFZp564O0122 (from clone DKFZp564O0122)	1	TGTGATGGGAACAGTGTCTTAGGGA GATGCAGCTTGGACTTGAGGTAAAT
1172	Table 3A	Hs.150580	AL050005	4884260	mRNA; cDNA DKFZp564A153 (from clone DKFZp564A153)	1	AGAATGGGAGGCCAACCTTCTATCAG AGTTAAACTTTTGACAAGGGAACA
1173	Table 3A	Hs.14846	AL050021	4884264	mRNA; cDNA DKFZp564D016 (from clone DKFZp564D016)	1	AAAAATGTGAAACTGCCTGCCTCCC CTTTTTGCTGACAACACTGTGTAC
1174	Table 3A	Hs 133130	AL050035	4884276	mRNA; cDNA DKFZp566H0124 (from clone DKFZp566H0124)	1	GGCCCATTACAAAACTCCTTAGGAA CCTCGCCCTCTCTCTGCTGTAAGG
	Table 3A	Hs.27371	AL050061	4884292	mRNA; cDNA DKFZp566J123 (from clone DKFZp566J123)	1	GCTGCTGTCTGGTGTAAGG GCTGCTGTCTAGATTTATGTGTGCTC TGACAAGAAATGTTTTGTGTAACA
1176	Table 3A	Hs 227429	AL050131	4884338	mRNA; cDNA DKFZp586I111 (from clone DKFZp586I111); partial cds	1	CCAGGCTGCGGTGAGAATGCCAAGA AGGCACTACCTCCCACCCACATCAC
1177	Table 3A	Hs 323463	AL050141	4884352	mRNA for KIAA1693 protein, partial cds /cds=(0,2707)	1	CCAGTTGTCTTGAACAGCCTGACTCC TGCCAGCCCTATGGAAGTTCCTTT

Table 8

					Table 0		
1178	Table 3A	Hs 323463	AL050141	4884352	mRNA for KIAA1693 protein, partial	1	CCAGTTGTCTTGAACAGCCTGACTCC
1179	Table 3A	Hs 26295	AL050166	4884381	, (1	TGCCAGCCCTATGGAAGTTCCTTT TCTTTAAGAAGACCACCACATAGAAT
1180	Table 3A	Hs 80285	AL050192	4884408	clone DKFZp586D1122) mRNA; cDNA DKFZp586C1723 (from	1	ACCCCTTCCTATCAGCTCGCTCTG TTTGACTTTCAGGATGTCATACTACTT
1181	Table 3A	Hs 26613	AL050205	4884444	clone DKFZp586C1723) mRNA; cDNA DKFZp586F1323 (from	1	CTGTACCTAGCATTTTCAGTCCT TGCTTAGATTTGTTCCTGTTGTCAAAA
1182	Table 3A	Hs 15020	AL050218	4884459	clone DKFZp586F1323)		CTGTTACCCCCAAAATTGGTGTG
1102	rable on	113 13020	AL030210	4004408	chromosome 6q26-27 Contains the 3'	1	AACAAGGTACATGCATTATGTGTCAC ATTACTGGGCAAACTGTTCAAGTA
					part of the alternatively spliced gene for the orthologs of mouse QKI-7 and QKI-		
					7B (KH Domain RNA Binding proteins) and zebrafish ZKQ-1 (Quaking protein		
					homolog). Contains ESTs, STSs and		
1183	Table 3A	Hs.3642	AL050268	4886442	GSSs /cds=(0,692) RAB1, member RAS oncogene family	1	AGCACAAGCAGTGTCTGTCACTTTCC
1184	Table 3A	Hs.12305	AL050272	4886498	(RAB1), mRNA /cds=(50,667) DKFZP566B183 protein	1	ATGCATAAAGTTTAGTGAGATGTT AGTGACTAAATACTGGGAACCTATTT
1185	Table 3A	Hs.274170	AL050353	4914574	(DKFZP566B183), mRNA mRNA; cDNA DKFZp564C0482 (from	1	TCTCAATCTTCCTCCATGTTGTGT CTTCAGGACTGTATGAGCCGAGCAGT
1186	Table 3A	Hs 8128	AL050371		clone DKFZp564C0482)		TACAAGACACAAAGAAGTTAAAAA
				4914606	phosphatidylserine decarboxylase (PISD), mRNA /cds=(223,1350)	1	AGGGCCAGATTTCATGTTGACCCTGG GGATGCTGTGAATTTCTCCTGCAG
1187	Table 3A	Hs.322645	AL050376	4914609	mRNA; cDNA DKFZp586J101 (from clone DKFZp586J101)	1	AAATGCAGGTTTATTATCCAGCACTG AGAGAGTTAACAAGGACTGGAAAA
1188	Table 3A	Hs.322645	AL050376	4914609		1	AAATGCAGGTTTATTATCCAGCACTG AGAGAGTTAACAAGGACTGGAAAA
1189	Table 3A	Hs.321247	AL050391	4914591	mRNA; cDNA DKFZp586A181 (from clone DKFZp586A181), partial cds	1	CCCTCCTTAATCAACTTCAAGGAGCA
1190	Table 3A	Hs.12813	AL080156	5262614	mRNA; cDNA DKFZp434J214 (from	1	CCTTCATTAGTACAGCTTGCATAT AAACCAGTGACTCCTAATCTTTTCAA
1191	Table 3A	Hs.52792	AL080213	5262703		1	GTTAAGACACCTTACCATTGCTT AAGGGAACACAAAACTGTGGTCCTGA
1192	Table 3A	Hs 111801	AL096723	5419856	clone DKFZp586l1823) mRNA; cDNA DKFZp564H2023 (from	1	CAATACTAATTCTACCCGTTTTCA TTTTTGTACGATCAGCCTTACTGCTAA
1193	Table 3A	Hs.306327	AL096752	5419888	clone DKFZp564H2023) mRNA; cDNA DKFZp434A012 (from	1	TAAAAGCACTTCCACAGGGAAAA AAATTCTACAAAGGAGAGGTTGGGCG
1194	Table 3A	Hs.306327	AI 096752	5419888	clone DKFZp434A012)	1	TTACAAAGGCATTGTGAATCTAAT
1195	Table 3A				clone DKFZp434A012)		AAATTCTACAAAGGAGAGGTTGGGCG TTACAAAGGCATTGTGAATCTAAT
		Hs.172803			mRNA full length insert cDNA clone EUROIMAGE 31839 /cds=UNKNOWN	1	TTCACCGAGGACATGAAACTCCACCT TGCGGGGATAAAGAGAGAAAAACA
1196	Table 3A	Hs.119155	AL109786	5725475	mRNA full length insert cDNA clone EUROIMAGE 814975 /cds=UNKNOWN	1	TGTGCTCTTCAGTAGAGGATTTTCTG TGATCCTACAATGAAGGGAAAGCT
1197	Table 3A	Hs.75875	AL110132	5817027	ubiquitin-conjugating enzyme E2 variant 1 (UBE2V1), transcript variant 2,	1	TTTGTGTAAAACCACCTTTTGAAGCA GCAACTATCAAGTCTGAAAAGCAA
1198	Table 3A	Hs.128797	Al 110151	5817052	mRNA /cds=(69,734)	1	AGTGGGTGAATCACAGTAATTTCCCT
				0011002	clone DKFZp586D0824); partial cds	'	GTAAAATGTGGTACCTGAAGTCAT
1199	Table 3A	Hs.193700	AL110164	5817069			TAGGCTCATAGCCTTGTATTTCGTTTT
1200	Table 3A	Hs.73851	AL110183	5817095	/cds=UNKNOWN ATP synthase, H+ transporting,		AGATTGTAAGCTCAATGGCAGGG GCTCAAGCAAATGTTTGGTAATGCAG
					mitochondrial F0 complex, subunit F6 (ATP5J), mRNA /cds=(1,327)		ACATGAATACATTTCCCACCTTCA
1201	Table 3A	Hs 172089	AL110202	5817121	mRNA; cDNA DKFZp586I2022 (from clone DKFZp586I2022)	1	AAGTCATCATTTGCCTTGAAAGTTTC CTCTGCATTGGGTTTGAAGTAGTT
1202	Table 3A	Hs.193784	AL110204	5817123	mRNA, cDNA DKFZp586K1922 (from clone DKFZp586K1922)		GAGCAGGGGTGGGAGTGGCTGTAAC
1203	Table 3A	Hs.321022	AL110236	5817178	mRNA, cDNA DKFZp566P1124 (from	1	TTCACAATCCTAATACAGTAAATGT TTCTTAAGGAGTCTTAACTCGGTACT
1204	Table 3A	Hs.187991	AL110269	5817043	clone DKFZp566P1124) DKFZP564A122 protein	1	TGGGTTAACGCCAGAAATTACTTT TTGGTGAGTTGCCAAAGAAGCAATAC
1205	Table 3A	Hs 109727	AL117407	5911992	(DKFZP564A122), mRNA mRNA; cDNA DKFZp434D2050 (from		AGCATATCTGCTTTTGCCTTCTGT AGGCCTTGTTTTTCAGCTTCATCTGC
					clone DKFZp434D2050); partial cds /cds=(110,1720)		AGTTCTATGTGAAGATTGATAAAT
1206	Table 3A	Hs.26797	AL117448	5911896	mRNA; cDNA DKFZp586B1417 (from clone DKFZp586B1417); partial cds		TGCAACTTAGAAACCAGCTACAGTAT GGCCCACTTAATAAAACACCTGAA
1207	Table 3A	Hs.7200	AL117502		/cds=(0,3876) hypothetical protein MGC16714		
	Table 3A				(MGC16714), mRNA /cds=(394,990)		AGTTTATTGTTAGCCAGGTTGCTTGA AAGGTTGAGAGTGGAGTG
1400	, aute un	Hs.22583	AL117513		mRNA; cDNA DKFZp434K2235 (from clone DKFZp434K2235), partial cds		GCATAACTGCTCTAGCTTCTTGTTTA CCATAGTACTGTGGCTTCAGATTT
1209	Table 3A	Hs 303154	AL117536	5912065	/cds=(0,1086) popeye protein 3 (POP3), mRNA	1	TGTATCTTTTCCTGTTAAACACACAGA
					/cds=(147,1022)		CCCCTCCCCAATCTGGACATTGA

Table 8

1210	Table 3A	Hs.6607	AL117565	5912115	URAX1 mRNA, complete cds /cds=(191,1960)	1	GCCTTGCCAGCCTGTGTGCTTGTGG GAACACCTTGTACCTGAGCTTACAG
1211	Table 3A	Hs 154320	AL117566	5912116	ubiquitin-activating enzyme E1C (homologous to yeast UBA3) (UBE1C),	1	GCATGAATGGGCAATATTTTCATCTG TTTACTTGTAGTGCCATAGAGGCC
					mRNA /cds=(0,1328)		•
1212	Table 3A	Hs.4055	AL117595	5912159	mRNA, cDNA DKFZp564C2063 (from clone DKFZp564C2063)	1	GGCCTTCTATGTGCTTAGCCATAACA ATTCCATTAAGCAAGAAGGTAAGC
1213	Table 3A	Hs 180777	AL117621	5912202	mRNA, cDNA DKFZp564M0264 (from clone DKFZp564M0264)	1	AATTGAACAATAACCATTGGTGACTG GAGCAGGTAATTATAGCCTGCAGA
1214	Table 3A	Hs 87794	AL117637	5912225	mRNA; cDNA DKFZp434l225 (from clone DKFZp434l225); partial cds	1	AGGGGTCCCAAGAGCCTGTCCTCTTT TGTTCAAAATACATCTTGAAACGT
1215	Table 3A	Hs.79709	AL117644	5912234	phosphotidylinositol transfer protein (PITPN), mRNA /cds=(216,1028)	1	CCTGCTGGGACTCCCTGACTTACTTT GGTTGGTTCCTAGTGCTACTTGTT
1216	Table 3A	NA	AL120453	5926352	(synonym: hamy2) cDNA clone DKFZp761l208 5'	1	GGAAAGCTCGTCAGTTTAGTAGGCTC CGAAATAGAATAG
1217	Table 3A	Hs.6986	AL121406	5927407	glucose transporter pseudogene /cds=UNKNOWN	1	AGAAGGTAACTTTATAGAAGTAACAC CAATATCCTAGTCTGCTTGCCCCG
1218	Table 3A	Hs.274481	AL121735	6012990	cellular growth-regulating protein (LOC51038), mRNA /cds=(612,785)	1	GCTGCTCCCTGGTTCCACTCTGGAGA GTAATCTGGGACATCTTAGTGTTT
1219	Table 3A	Hs.272307	AL133015	6453493	mRNA; cDNA DKFZp434O2417 (from clone DKFZp434O2417); partial cds /cds=(0,724)	1	CTCTCCTCTTCCCACCTCTGTATCCC ACACAGGCATCTGGTGATGTTCTC
1220	Table 3A	Hs.75497	AL133074	6453517	p53DINP1 mRNA for p53DINP1b, complete cds /cds=(39,533)	1	ACACCTGTTCTTTGTAATTGGGTTGT GGTGCATTTTGCACTACCTGGAGT
1221	Table 3A	Hs.76853	AL133096	6453550	mRNA; cDNA DKFZp434N1728 (from clone DKFZp434N1728)	1	AGCCTAGGTGAAAATCTATTTATAAAT GGACCACAACTCTGGGGTGTCGT
1222	Table 3A	Hs.109150	AL133111	6453598	mRNA; cDNA DKFZp434H068 (from clone DKFZp434H068)	1	CATGAAGCTCTCAAGTCCTGCATCCT GAGGATCCAGATGGATGACAAGGA
1223	Table 3A	Hs.199009	AL133572	6599150	PCCX2 mRNA for protein containing CXXC domain 2, partial cds	1	GGTGGTGTTTCCTAGACCTTCCCTGA TGCGATTTTACCTTTGTTGAATTT
1224	Table 3A	Hs.25362	AL133611	6599222	mRNA; cDNA DKFZp434O1317 (from	1	ACGATGCTGTTTGCTCTGGAATGTTC ATCTTTTAGACAGGTTTTTGGCTCA
1225	Table 3A	Hs.224680	AL133721	6601909	· —	1	TCCGAGGGATGAGATTAAGGCAGAG GCAAAAGTTTCACACAAAGTTTCTG
1226	Table 3A	Hs.306155	AL133879	6602066	•	1	GCCACAACTCCCATAGATGCCAATGT TTTGATAGCCTCAGTTTCTCAACG
					hormone 1 (placental lactogen) (CSH1), transcript variant 2, mRNA		THEATAGGGTGAGTTTGTGAAGG
1227	Table 3A	Hs.322456	AL136542	12044472	hypothetical protein DKFZp761D0211 (DKFZP761D0211), mRNA	1	TGACCCACCCACCAAGGAAGAAAGC AGAATAAACATTTTTGCACTGCCTG
1228	Table 3A	Hs.258503	AL136549	6807648		1	CATGCTCTCCCATGACATCTCCATGC
					clone DKFZp761l12121); complete cds /cds=(138,3899)		TGGTTTCTCCATAGCATAAATGAA
1229	Table 3A		AL136558	13276622	(DKFZp761B1514), mRNA	1	GGTGCCGTGCATCACCAAATGAAAGT TTGTATTTAACGAGGAGGTGCTTT
1230	Table 3A		AL136607		hypothetical protein DKFZp564l0422 (DKFZP564l0422), mRNA	1	AAATCCTCTCTGCTGTTCACATTATCC TTTGTTTAACGTATGAACCAGGT
1231	Table 3A	Hs.4750	AL136610	12052745	(DKFZP564K0822), mRNA	1	GTGTAGAATTCCCGGAGCGTCCGTG GTTCAGAGTAAACTTGAAGCAGATC
1232	Table 3A	Hs.108548	AL136640	12052805	mRNA; cDNA DKFZp564F163 (from clone DKFZp564F163); complete cds /cds=(149,532)	1	TGGGTAGGTTAAGCTGCCATACGTGT TCAGTGTGAATAGTGTTTAAGTTG
1233	Table 3A	Hs.27181	AL136656	12052835		1	TGATGCAAGAGTGGACGTAATGCTAG TTGGCAGTATTTTATTGTAAGAAA
1234	Table 3A	Hs.57209	AL136703	12052925	hypothetical protein DKFZp566J091 (DKFZP566J091), mRNA	1	TCAGTAAAAATGCCTGTTGTGAGATG AACCTCCTGTAACTTCTATCTGTT
1235	Table 3A	Hs.166254	AL136711	12052941	hypothetical protein DKFZp566I133 (DKFZP566I133), mRNA	1	GGGCCATTTTATGATGCATTGCACAC CCTCTGGGGAAATTGATCTTTAAA
1236	Table 3A	Hs 324275	AL136739	12052996	WWW domain-containing protein 1 (WWP1), mRNA /cds=(10,2778)	1	AAAATGCTGCTGGCTTTTCTGAAGAC AGGTGCTTGAACTTGTCAGTTTGT
1237	Table 3A	Hs 273294	AL136797	12053106	mRNA; cDNA DKFZp434N031 (from clone DKFZp434N031); complete cds /cds=(18,3608)	1	CCGCCCAAAAGTCTGTTCTGATGGCA CTGAGTTTTCATTGTTCTGGATGT
1238	Table 3A	Hs.76698	AL136807	12053124	mRNA; cDNA DKFZp434L1621 (from clone DKFZp434L1621); complete cds /cds=(315,515)	1	TGGTTGTGCTAAATTCATAGCAGGTG CCTTATTCTTTGCTTTTAGTCAAA
1239	Table 3A	Hs 238996	AL136828	12053164	hypothetical protein DKFZp434K0427 (DKFZP434K0427), mRNA	1	TTTGCCAGGGTAATCTTCAGTTGGCC CTGATTCAATTAAATGGCCTTAAT
1240	Table 3A	Hs.146037	AL136874	12053252	/cds=(341,1813) hypothetical protein DKFZp434C135 (DKFZP434C135), mRNA	1	ACACTCCTTAAGTTCCAAATGTTTTCC GCTAATAGTCTGTCCTAAAGCCT
1241	Table 3A	Hs.103378	AL136885	12053268	hypothetical protein MGC11034 (MGC11034), mRNA /cds=(245,640)	1	AGGACTCTTGAACATCTGAGCAGTTT TGTGCTTTGAGCCACTTTTTGACA
1242	Table 3A	Hs.37892	AL136932	12053358	KIAA0922 protein (KIAA0922), mRNA /cds=(122,3841)	1	CGCCTATATGAACCTGGACATATGGA CTACCACAGCGAATAGGAATGCAA

1243	Table 3A	Hs 37892	AL136932	12053358	KIAA0922 protein (KIAA0922), mRNA	1	CGCCTATATGAACCTGGACATATGGA
1244	Table 3A	Hs.108338	AL136941	12053376	/cds=(122,3841) hypothetical protein DKFZp586C1924	1	CTACCACAGCGAATAGGAATGCAA TTTCCTATTTTGCTCCAGACTATGTTT
1245	Table 3A	Hs 194718	AL136945	12053384	(DKFZp586C1924), mRNA mRNA; cDNA DKFZp586O012 (from	1	TCAGCATACCTTGGGTCTGAACA TTGTGCTTTCTGTATTTAAAACTTTGG
1246	Table 3A	Hs 7392	AL137423	6807979	clone DKFZp586O012) nucleolar protein GU2 (GU2), mRNA	1	CTGTACTAAGCAAATGCAAGGTT GGTCATCATAGTTGAGGTATGTGTCT
					/cds=(107,2320)		GCTATTTGCAAAGAAGTTGGTCGT
1247	Table 3A	Hs.21015	AL137576	6808287	mRNA, cDNA DKFZp564L0864 (from clone DKFZp564L0864); partial cds	1	TTCAGGACCCTAGAGGAGAGCTTTAT ACAATTACCGATGTGAATTTCTCT
1248	Table 3A	Hs.122752	AI 137801	6808346	/cds=(0,566) TATA box binding protein (TBP)-	1	TGTTTTGCTTAATGTGGACAATTTACA
1240	Table JA	113.122132	AL107001	0000040	associated factor, RNA polymerase II,	•	CACCCAACACATACTGTTTCCAA
1249	Table 3A	Hs.145612	AL137608	6808357	B, 150kD (TAF2B), mRNA RNA helicase (RIG-I), mRNA	1	GAGATCAACGGGATGAGGTGTTACA
4050	Table 04	11- 472040	A1 427004		/cds=(157,2934)	1	GCTGCCTCCTCTTCATGCAATCTG AGGTAGGGTTTAATCCCCAGTAAAAT
1250	Table 3A	Hs.173912	AL137001	6807931	eukaryotic translation initiation factor 4A, isoform 2 (EIF4A2), mRNA	'	TGCCATATTGCACATGTCTTAATG
1251	Table 3A	Hs.306195	AL137721	6808159	over-expressed breast tumor protein (OBTP), mRNA /cds=(0,224)	1	AGGGGGTGATTTTTGCTCTTGTCCTG AGAAATAACAGTGCTGTTTTAAAA
1252	Table 3A	Hs.12144	AL137753	6808455	mRNA; cDNA DKFZp434K1412 (from	1	ACTTGAGTGGGGTTTTCCTTTTCCCC
1253	Table 3A	Hs.77646	AL137938	6851002	clone DKFZp434K1412) mRNA; cDNA DKFZp761M0223 (from	1	CAATTCTAAGAGAATATAATGTGT GCGTCTGTTGTTAGCAAAGAATAGAT
1254	Table 3A	Hs 235390	AL157426	7018455	clone DKFZp761M0223) mRNA, cDNA DKFZp761B101 (from	1	TCACACAGTCTAAGGTTTCCTTCC CCCTCTTAGCCTATCCATCTTAAGCC
					clone DKFZp761B101)		CCAAGCTGAGTGTGGTTCTGGTAA
1255	Table 3A	Hs.66151	AL157438	7018513	mRNA; cDNA DKFZp434A115 (from clone DKFZp434A115)	1	TAAGGAGAATTAGACTCCCAAGTAGA CACCAGAGTCACTGTTTGGTTGGT
1256	Table 3A	Hs.110702	AL157477	7018497	mRNA; cDNA DKFZp761E212 (from	1	ACGTGTTTTTGGGATATGTTTCCAAT CTTTAAATGACCTTGCCCTGTCCA
1257	Table 3A	Hs.250535	AL157499	7018548	clone DKFZp761E212) mRNA; cDNA DKFZp434N2412 (from	1	AACCATTTGTTAACTGTACTGAAGGT
1258	Table 3A	Hs.170171	AL161952	7328002	clone DKFZp434N2412) mRNA; cDNA DKFZp434M0813 (from	1	GTGTCCTCAAGAAGAAAGTGTTCA AAACAAACTGTGTAACTGCCCAAAGC
					clone DKFZp434M0813); partial cds /cds=(430,768)		AGCACTTATAAATCAGCCTAACAT
1259	Table 3A	Hs.71252	AL161991	7328122	mRNA; cDNA DKFZp761C169 (from	1	AAACTGATCACACTGACTGGATCTGT
					clone DKFZp761C169); partial cds /cds=(996,2474)		CCACGACATGGAAAATAAACTGGA
1260	Table 3A	Hs.99908	AL162047	7328089	nuclear receptor coactivator 4	1	TTGCATTGATGAATTTTGTATCTGCTT CCATTAAAAGCATAACAGCCACA
1261	Table 3A	Hs.78829	AL162049	7328093	(NCOA4), mRNA /cds=(140,1984) mRNA; cDNA DKFZp762E1712 (from	1	ATCTCTCCTTCAGTCTGCTCTGTTTAA
					clone DKFZp762E1712); partial cds /cds=(0,2477)		TTCTGCTGTCTGCTCTTCTCTAA
1262	Table 3A	Hs.302649	AL162068	7328143	HSP22-like protein interacting protein	1	TTGAAGTTTTAAGGGACGTCAGTGTT TATGCCATTTTTCCAGTTCCAAAA
1263	Table 3A	Hs.17377	AL162070	7328146	• •	1	GGTCGGCTCTTATAGAGTGGCCATAG
					clone DKFZp762H186); complete cds /cds=(0,1489)		TGTTCTGTCAAAACACTTGCTTCC
1264	Table 3A	Hs.155191	AL162086	7328174	villin 2 (ezrın) (VIL2), mRNA	1	TTCTCCTTCACAGCTAAGATGCCATG TGCAGGTGGATTCCATGCCGCAGA
1265	Table 3A	Hs.3576	AL357536	8249879	/cds=(117,1877) Homo sapiens, Similar to RIKEN cDNA	1	CATGATTCCAAGGATCAGCCTGGATG
					5730494N06 gene, clone MGC:13348 IMAGE:4132400, mRNA, complete cds		CCTAGAGGACTAGATCACCTTAGT
4000	Table 24	Hs.29797	A1 250505	0055045	/cds=(132,494) mRNA; cDNA DKFZp762B195 (from		AGTGAAGATCTGGCTGAACCAGTTCC
1266	Table 3A		AL359585		clone DKFZp762B195)	1	ACAAGGTTACTGTATACATAGCCT
1267	Table 3A	Hs.252588	AL359626	8655704	mRNA; cDNA DKFZp564F172 (from clone DKFZp564F172)	1	AGGCCATCATTCTATACCTCATTTAA GCCATTGTTATCAAGGGTTTACCC
1268	Table 3A	Hs.33756	AL359654	8670873	mRNA full length insert cDNA clone EUROIMAGE 196784 /cds=UNKNOWN	1	AGAGTACATGGAAAGTTAGGTGTTCA AATTCACATCTAATTTCCCTGGGA
1269	Table 3A	Hs.3640	AL359940	8977897	mRNA; cDNA DKFZp762P1915 (from	1	GTTTTCAGTTTTCCCCTTTACAGTCTT
1270	Table 3A	Hs.318501	AL360190	8919391	clone DKFZp762P1915) stimulated trans-acting factor (50 kDa)	1	CTCCCCTCACCTCCAGGACCCTC ATCCTTCAGAATGTGTTGGTTTACCA
1271	Table 3A	Hs.7104	AL390127	9368821	(STAF50), mRNA /cds=(122,1450) mRNA; cDNA DKFZp761P06121 (from	1	GTGACACCCCATATTCATCACAAA GTCTGGCCTTGGCTTGCTCGGATAAA
					clone DKFZp761P06121)	1	ACTITGTATGTATTTTGTATGGCA TGCTGAGCATGGGGAATGTGGCTGC
1272	Table 3A	Hs.49822	AL390132		mRNA; cDNA DKFZp547E107 (from clone DKFZp547E107)		TGCAGAGACGTTATGAAACACTTCT
1273	Table 3A	Hs.98026	AL442083	10241762	mRNA for KIAA1784 protein, partial cds /cds=(0,3505)	1	TCTCCATCCTTGTGAATGTCCTCGTC TGTTTCAAATACAGTGCAGTCAGT
1274	Table 3A	Hs.77868	AL513780	12777274	ORF (LOC51035), mRNA /cds=(135,1031)	1	TGGTTCTTCTGATGAGCAAGGGAACA ACACTGAGAATGAGGAGGAAGGAGT
4075	Table 24	Ua 404000	A1 500000	4070/005	,	4	
12/5	Table 3A	ns.181309	AL520892	12784385	subunit, alpha type, 2 (PSMA2), mRNA	1	TGAAGTTAAGGATTACTTGGCTGCCA TAGCATAACAATGAAGTGACTGAA
					/cds=(0,704)		

1276	Table 3A	Hs 16648	AL523085	12786578	AL523085 cDNA	1	GGCTTTCTTGTTTTGGTGTCTTGGAG TGCTGGGTAAGGTTCAGTGGATAT
1277	Table 3A	Hs 37617	AL532303	12795796	/clone=CS0DC001YF21-(5-prime) 602144947F1 cDNA, 5' end	1	CTATCTACACCATCATGCGCTGGTTC
1278	Table 3A	Hs.83583	AL532406	12795899	/clone=IMAGE:4308683 /clone_end=5' actin related protein 2/3 complex,	1	CGGAGACACAAGGTGCGGGCTCAC GAAGCGGCTGGCAACTGAAGGCTGG
1279	Table 3A	Hs 30120	AL533737	12797230	subunit 2 (34 kD) (ARPC2), mRNA 602272333F1 cDNA, 5' end	1	AACACTTGCTACTGGATAATCGTAG AAGCAAGAGATTGTAAACCGGGTACA
1210	1000001	110 00 120	7.2000.07	,	/clone=IMAGE 4360233 /clone_end=5'		GAATCCAAGAGATGAGAGGACC
1280	Table 3A	Hs 179999	AL534564	12798057	Homo sapiens, clone IMAGE 3457003,	1	AGACGAATGCTTGTCAGTTGTAGCTT TCCAGGATTCTGCTCCAATGAGGA
1281	Table 3A	Hs.159065	AL538276	12801769	mRNA /cds=UNKNOWN AL538276 cDNA	1	CAAACTGATTGCGGGGCAGGGACTT
					/clone=CS0DF027YC09-(5-prime)		GAGTATGGGGAGAGGCTGCAAAAGA
1282	Table 3A	Hs.285401	AL540399	12870508	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-	1	GAACATCAGGAGAGGAGTCCAGAGC CCACGTCTACTGCGGAAAAGTCAGG
	a.		11.540500	40074700	macrophage) (CSF2RB), mRNA	4	AGTTGGAGAGTTACTCGAACCTCAGG
1283	Table 3A	Hs.181400	AL542592	12874788	602650370T1 cDNA, 3' end /clone=IMAGE.4761353 /clone_end=3'	1	TGACAGTTGTAAGGCAGACATAGT
1284	Table 3A	Hs.271599	AL550229	12886998	cDNA FLJ12347 fis, clone MAMMA1002298 /cds=UNKNOWN	1	CTCCTCCAGGCCTCTCGGATGCCTCT GTTGGGACAGCTAAGTTCCTCTTC
1285	Table 3A	NA	NC_001807	13959823	Mitochondrial Sequence	1	TCCTCCATATATCCAAACAACAAGC ATAATATTTCGCCCACTAAGCCAA
1286	Table 3A	Hs.218329	AL556016	12898299	mRNA for KIAA1245 protein, partial	1	TGCTGTTGCAAAAGAAGAAGACATCT CTGCCTGAGTTTTAATTTTGTCCA
1287	Table 3A	Hs.250465	AL556919	12900027	cds /cds=(701,3379) mRNA; cDNA DKFZp434E2023 (from	1	TTTCTGCTGGAGTCCCCTGTGTCCTC
1288	Table 3A	Hs.90035	AL558028	12902157	clone DKFZp434E2023) AL558028 cDNA	1	AGCCATCCCAAGAAGGGTTTGCTG CTGGTTGGATCTGCATCTCACGCCCA
1289	Table 3A	Hs.301756	AL559029	12904124	/clone=CS0DJ002YF02-(5-prime) Homo sapiens, clone MGC:17544	1	CTGCACACCGTTCCTCTCCATCTG ACCTCGACTCCCTGGTGCTCTTTGCA
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			IMAGE:3462146, mRNA, complete cds /cds=(256,894)		GAGTTGGGCAGTGAAATTACCTTT
1290	Table 3A	Hs.119274	AL559422	12904908	RAS p21 protein activator (GTPase	1	ATACACAGCACGACGTATCCTTGTAC
					activating protein) 3 (Ins(1,3,4,5)P4- binding protein) (GAP1IP4BP), mRNA		CGACTTCTCCCGGTTCTTGTTTGA
1291	Table 3A	Hs.218329	AL559555	12905153	/cds=(46,2550) mRNA for KIAA1245 protein, partial	1	GTACTTAGGAAGACACAGCTAGATGG
1292	Table 3A	Hs.33026	AL561074	12908145	cds /cds=(701,3379)	1	ACAACAGCATTGGGAGGCTTAGCC CATCTCTGGTTGTGTCTGTGCCGACT
					cds /cds=(3484,3921)	1	CGGTGTTGAATCAAATCAGGTGTG CAACAATAGGAGGTGGAATGCTGCAA
1293	Table 3A	Hs.335863	BE262306	9135208	601462961T1 cDNA, 3' end /clone=IMAGE:3866222 /clone_end=3'	'	GGGGCTGCAAATGAGGGCAATGCA
1294	Table 3A	NA	NC_001807	13959823	mitochondrial COX3	1	ATATTTCACTTTACATCCAAACATCAC
1295	Table 3A	Hs.287797	AU117298	10932256	mRNA for FLJ00043 protein, partial	1	TTTGGCTTCGAAGCCGCCGCCTG TGGCAAATTCTGCGAGTGTGATAATT
1296	Table 3A	Hs.1600	AU118159	10933184	cds /cds=(0,4248) Homo sapiens, clone IMAGE:3543711,	1	TCAACTGTGATAGATCCAATGGCT TCTCACATGTCCATTTGAACCACCCA
					mRNA, partial cds /cds=(0,1620)	1	AACCAAAAACAAAGCATAAGCTGG TCCAGGATGTCTACAAAATTGGTGGT
1297	Table 3A	Hs.181165		10935966	eukaryotic translation elongation factor 1 alpha 1 (EEF1A1), mRNA		ATTGGTACTGTTCCTGTTGGCCGA
1298	Table 3A	Hs.172028	AU135154	10995693	a disintegrin and metalloproteinase domain 10 (ADAM10), mRNA	1	TGGACATAGCAGCACATACTACTTCA GAGTTCATGATGTAGATGTCTGGT
1299	Table 3A	NA	AV686223	10288086	AV686223 cDNA, 5' end /clone=GKCGXH11 /clone_	1	AACAGAAGACGAGGACACAGAGCGA GAATAAGCACAACTCAGACAACACA
1300	Table 3A	Hs.343475	AV687530	10289393	601556208T1 cDNA, 3' end	1	TGACCACTTATGCACTTTCTGAATTTG
1301	Table 3A	NA	AV689330		/clone=IMAGE:3826392 /clone_end=3' cDNA clone GKCDJE03 5'	1	CTTTCCATGCTCAGAGTTCTGCT CTTTGACCCCACCTTGTGGAAACCCA
							GCTGTCTACTGGCAGACATTGGTG
	Table 3A	Hs.28739	AV691642		602593745F1 cDNA, 5' end /clone=IMAGE:4721002 /clone_end=5'	1	AAACACCAGTTTGCAGGAAGAAAGGA AGAGAATGGAAATTGCTTCTGGAA
1303	Table 3A	NA	AV693913	13959823	mitochondrion, complete genome	1	CCCTACCATGAGCCCTACAAACAACT AACCTGCCACTAATAGTTATGTCA
1304	Table 3A	Hs 324602	AW969923	8159767	EST382001 cDNA	1	AGTCGTATTAGAGCCTTGGCGTAATC ATGGTCATAGCTGTTTCCTGTGTG
1305	Table 3A	Hs.301570	AV702152	10718482	602585120F1 cDNA, 5' end /clone=IMAGE:4712861 /clone_end=5'	1	TTGCTGCCTGATCTGACATACATGAT CCATCGGGTTTTGTTACAAGGAAC
1306	Table 3A	Hs 7312	AV702692	10719022	AV702692 cDNA, 5' end	1	CATGTTCATAGGTAATCTTTGTACTCT
1307	Table 3A	NA	AV705900	10723195	/clone=ADBBQC12 /clone_end=5' Partial Cloning Vector	1	GTGTGCAGCAGTATTTGGTTTGC AATTCGCCCTATAGTGAGTCGATTAC
1308	Table 3A	Hs.167130	AV706014	10723303	hypothetical protein (PRED22), mRNA	1	CAATCACTGCCCGCGTTTACAACG ACAGGTAACTGAAGATCAAAGTAAAG
1309	Table 3A	Hs 134829	AV706481	10723761	/cds=(245,1021)	1	CAACAGAGGAATGTACATCTACCT AACAGTTGGGCACCCTGAATGGCAAA
.000					/clone=ADBBYF02 /clone_end=5'		TGGCAAATTTGGAGCGCTAATAAT

Table 8

1010	T-1-04	A1.A	NO 004007	40050000	unitarah anduran samulata samama	4	CCCAATCACTTATTCACTCCTACCC
1310	Table 3A	NA	NC_001807		mitochondrion, complete genome	1	GCCAATCACTTTATTGACTCCTAGCC GCAGACCTCCTCATTCTAACCTGA
1311	Table 3A	Hs 90960	AV710415	10729044	602563938F1 cDNA, 5' end /clone=IMAGE:4688769 /clone_end=5'	1	ATGTGGGAGGGGCATGCAGCTATG AAGGACCTCCTACCTCTGGTTTCTG
1312	Table 3A	Hs.316785	AV710763	10730069	AV710763 cDNA, 5' end	1	CATGGGACGGGGAGAAAAGCAAAC
					/clone=CuAAJH09 /clone_end=5'		CCTGGCACTTGGGAATACTTATACC
1313	Table 3A	Hs 135167	AV712376	10731682	AV712376 cDNA, 5' end	1	TTGTGCCCTTGACTGGGTATTTCTTG
1314	Table 3A	Hs 89104	AV716500	10798017	/clone=DCAAND12 /clone_end=5' 602590917F1 cDNA, 5' end	1	AAGCCCTTGGATCTACCTTTGGTC ACATAATACGGTTGTGCGAGCAGAGA
1314	Table SA	113 03 104	AV110300	107 300 17	/clone=IMAGE:4717348 /clone_end=5'	•	ATCTACCTTTCCACTTCTAAGCCT
1315	Table 3A	Hs 237868	AV716565	10813717	interleukin 7 receptor (IL7R), mRNA	1	CCAGCCTTTGCCTCTTCCTTCAATGT
1216	Table 3A	Hs.178703	AV/716627	10913770	/cds=(22,1401) AV716627 cDNA, 5' end	1	GGTTTCCATGGGAATTTGCTTCAG AAAACCTCGAGTCATGGTGAATGAGT
1316	Table SA	ns.170703	AV/1002/	10013779	/clone=DCBBCH05 /clone end=5'	•	GTCTCGGAGTTGCTCGTGTGTA
1317	Table 3A	Hs.17481	AV716644	10813796	mRNA, cDNA DKFZp434G2415 (from	1	GTGAGCACGGACATGCGGCATCATC
1318	Table 3A	Hs.256959	AV719442	10016504	cione DKFZp434G2415) AV719442 cDNA, 5' end	1	GAGTGAGACTGGTGTTCCAAGATTC CACCACAGTCTCAGTGCAGGGCTGG
1310	Table 3A	FIS.200905	AV7 19442	10010094	/clone=GLCBNA01 /clone_end=5'	•	GAAGTGAAAGACGATTCACCAGACC
1319	Table 3A	NA	AV719659	10816811	cDNA clone GLCGRA09 5	1	TTTGTGGGTGGGTGATTAGTCGTTGC
1220	Table 24	Hs.127160	AV719938	10017000	AV659177 cDNA, 3' end	1	TGATGAGATATTTTGAGGGTGGGG ACCTTGTAAGTGCCTAAGAAATGAGA
1320	Table 3A	ns. 127 100	AV/ 19930	10011090	/clone=GLCFUC08 /clone_end=3'	•	CTACAAGCTCCATTTCAGCAGGAC
1321	Table 3A	Hs.21536	AV720984	10818136	yf69a03 s1 cDNA, 3' end	1	GCCGAGATCTGCTCAGACTACATGG
4000	Table 04	H= 440000	A) (704000	40040460	/clone=IMAGE:27414 /clone_end=3'	1	CTTCCACTATAGGGTTCTACAGTGT AAATCAGAATTCATTTAGCTCACCAC
1322	Table 3A	Hs.119908	AV721008	10818160	nucleolar protein NOP5/NOP58 (NOP5/NOP58), mRNA /cds=(0,1589)	1	ATCTCTTGAATGTGATTGACCTAC
1323	Table 3A	Hs.247474	AV723437	10826838	hypothetical protein FLJ21032	1	AGGTGTTTAACAGTGTTATTTTGCCA
	T.11.04	70700	A) 504504	40000040	(FLJ21032), mRNA /cds=(235,1005)	1	CTGGTAATGTGTAAACTGTGAGTG TGGAGTTTCCAGGAGAAAAATAATCA
1324	Table 3A	Hs.76728	AV724531	10829010	602570065F1 cDNA, 5' end /clone=IMAGE:4694321 /clone end=5'	•	CCTTTGAAGGTTTTTAGAGCATGT
1325	Table 3A	Hs.280261	BE382869	9328234	601297762F1 cDNA, 5' end	1	GGTAACAACATCCGTCTGAAAGGGTC
		11 04054	A) 770 1005	40000070	/clone=IMAGE:3627806 /clone_end=5'	4	GGACCTCGTCCAAAGGAGATAGGC
1326	Table 3A	Hs.21351	AV724665	10829278	qd15g09.x1 cDNA, 3' end /clone=IMAGE:1723840 /clone_end=3'	1	ACATTTTGATTTCTTCTCTCTGTGGG GTGGCAAGTTGAGGGAGCATTCTT
1327	Table 3A	Hs.44656	AV726117	10832185	AV726117 cDNA, 5' end	1	CGTAAACCAATGTGGTACACTAGTTG
4000	Table 04	11- 045700	A) (707000	40000404	/clone=HTCAXB05 /clone_end=5'	4	GCCGAACTTGGTATAAACCGCCT TCTTTAAGTCTGTCAAACCAGAACTC
1328	Table 3A	Hs.245798	AV727063	10836484	hypothetical protein DKFZp564I0422 (DKFZP564I0422), mRNA	1	TTTGAAGCACTTTGAACAATGCCC
1329	Table 3A	Hs 316771	AV729160	10838581	AV729160 cDNA, 5' end	1	AGCTGGCGTAATAGCGAAGAGGCCC
4000	T-51- 04	11- 00000	A) (700405	40000550	/clone=HTCCAB04 /clone_end=5'	4	GCACCGATCGCCTTTCCAACAAGTG AGATGCATTTTAAATGTCTATAAATGG
1330	Table 3A	Hs.22003	AV730135	10839336	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	1	TGTCATAACTAGAGCACGGGCGT
					(SLC6A1), mRNA /cds=(234,2033)		
1331	Table 3A	Hs.175971	AV734916	10852461	AV734916 cDNA, 5' end	1	ATTAAAACGCTTGGAAGAAAATCCCC TTTTGGCAGGTGGGGGAAAAAGCA
1332	Table 3A	NA	AV735258	10852803	/clone=cdAAHE11 /clone_end=5' mitochondrion, complete genome	1	ATTCAACCAATAGCCCTTGCCGTACC
							GCCTACCCGTAACATTACTGGAGG
1333	Table 3A	NA	NC_001807	10855754	Mitochondrial Sequence	1	CGCCTATAGCACTCGAATAATTCTTC TCACCCTAACAGGTCAACCTCGCT
1334	Table 3A	Hs.246796	AV739961	10857542	AV739961 cDNA, 5' end	1	GTTGTGCATGATTCCCCACGTGTCTC
					/clone=CBFBRA10 /clone_end=5'		TGTTTATCCAGATAAGAAAAGATA
1335	Table 3A	Hs.122431	AV743635	10861216	AV713062 cDNA, 5' end /clone=DCAADD12 /clone_end=5'	1	CCAGTCCTCACAGGAAAACCCCC
1336	Table 3A	Hs.42915	AV745692	10865139	ARP2 (actin-related protein 2, yeast)	1	TGGGTGGAGTATTATGTTTAACTGGA
	-				homolog (ACTR2), mRNA		GTTGTCAAGTATGAGTCCCTCAGG
1337	Table 3A	Hs 26670	AV749844	10907692	PAC clone RP3-515N1 from 22q11 2- q22 /cds=(0,791)	1	ACCTCATTCTGACACCTGCATATAGT GTGGGAAATTGCTCTGCATTTGAC
1338	Table 3A	Hs.31409	AV752358	10910206		1	GTTCTGGAGGACAGGAAGGGTGACC
					/clone=IMAGE:4818566 /clone_end=5'		CACAGAGGATTATACCACCGGGGTG
1339	Table 3A	Hs 335863	AV755117	10912965	601462961T1 cDNA, 3' end /clone=IMAGE:3866222 /clone_end=3'	1	GCCGCAGACCTCCTCATTCTAACCTG AATCGAAGGACAACCAGTAAGCTA
1340	Table 3A	Hs.339696	AV755367	10913215	ribosomal protein S12 (RPS12), mRNA	1	TGAGTCGTATTACAATTCACTGGCCG
	T 04		11.556466	40044000	/cds=(80,478)	_	TCGTTTTACAACGTCGTGACTGGG
1341	Table 3A	HS.181165	AV756188	10914036	eukaryotic translation elongation factor 1 alpha 1 (EEF1A1), mRNA	1	TAAGATTATCAACCTTGGGGTCGTTT TGTTGTTCGCGGATTGAGCACGGA
1342	Table 3A	Hs 58643	AV760147	10917995	602438603F1 cDNA, 5' end	1	CTGGGCTGAAGCCTATTCCTATGGG
40.00	Table 04	110 00404	A1/700040	40000400	/clone=IMAGE.4564968 /clone_end=5'	4	GCTCTGGAATGTTTGTGACTGAATG
1343	Table 3A	Hs.93194	AV762642	10920490	apolipoprotein A-I (APOA1), mRNA /cds=(38,841)	1	TTGTCCATTTGGAACAGAGTCACTAT AAAGAACGGGCTCAACTGGGCACC
1344	Table 3A	Hs.301553	AW021037	5874567	karyopherin alpha 6 (importin alpha 7)	1	GCAGACATAGGCGAAGAAAACATGG
					(KPNA6), mRNA /cds=(55,1665)		CATTGAGTGTGCTGAGTCCAGACAA
1345	Table 3A	Hs 232400	AW021551	5875081	heterogeneous nuclear	1	CTTTTCCCACCCCCTCCCCTCCATG
					ribonucleoprotein A2/B1 (HNRPA2B1),		TGAAGATTTGGGTGCTTAACATAT
					transcript variant B1, mRNA		

1346	Table 3A	Hs 95835	AW248322	6591315	RST8356 cDNA	1	GGCACTGCCTCCTTACCTGTGAGGAA TGCAAAATAAAGCATGGATTAAGT
1347	Table 3A	Hs 340753	AW362008	6866658	tw50h12 x1 cDNA, 3' end /clone=IMAGE 2263175 /clone end=3'	1	AAACCACACCAGGAACTCCTTGCATG GCAAAAGCTGAACAGTACAAATCC
1348	Table 3A	Hs 127574	BG436386	13342892	602509044F1 cDNA, 5' end /clone=IMAGE:4619579 /clone end=5'	1	ACACAGTCATCCCCATGCAGAAACCT CAGAAAACACCAATGTATTACACA
1349	Table 3A	Hs 8024	AW390233	6894892	IK cytokine, down-regulator of HLA II (IK), mRNA /cds=(111,1784)	1	GTCTGAACGAGACTCAATTCCTCTCC GAGGCTCCCCAAACAAATTGTAGC
1350	Table 3A	NA	AW402007	6920693	UI-HF-BK0-aao-g-02-0-UI.r1 NIH_MGC_36 cDNA clone	1	GTGCAGTCCATCAGATCCAAGCCTGT CTCTTGAGGAACAACCGCGCAGAC
1351	Table 3A	Hs 181125	AW405863	6924920	Homo sapiens, clone MGC:12849 IMAGE 4308973, mRNA, complete cds /cds=(24,725)	1	GACCCAGGCTATGGATGAGGCTGAC TATTACTGTCAGGCGTGGGACAGCA
1352	Table 3A	NA	AW499658	7111531	UI-HF-BR0p-ajj-c-07-0-UI r1 NIH_MGC_52 cDNA clone	1	TGGTGGCAAATCTGATTTTTGGAAAC GAGTATTGGAGGACTATAAAACAA
1353	Table 3A	NA	AW499828	7111870	UI-HF-BN0-ake-c-06-0-UI.r1 NIH MGC_50 cDNA clone	1	ACATTTCTTGTTGGCACTACAGCAAC CACATACAGTACAG
1354	Table 3A	Hs.181461	AW499829	7111872	ariadne (Drosophila) homolog, ubiquitin- conjugating enzyme E2-binding protein, 1 (ARIH1), mRNA /cds=(314,1987)	1	TGGGATAAAGGTGTGTCGGTTTAGCA CCTCTGGAAGACCTATCTAGAGCT
1355	Table 3A	Hs.145668	AW500534	7113240	fmfc5 cDNA /clone=CR6-21	1	CCTGGCACATGTTGTCTGGAGTCTGG CACACTGGTTATCAATAGCACATT
1356	Table 3A	Hs 304900	AW501528	7115141	602288147F1 cDNA, 5' end /clone=IMAGE:4373963 /clone_end=5'	1	GCATGTTCTCACCGTGAAGGAGAGT GATGCAGGGAGATACTACTGTGCAG
1357	Table 3A	Hs.37892	AW504212	7141879	KIAA0922 protein (KIAA0922), mRNA /cds=(122,3841)	1	AAAGTGGGTGGAAGACTTCCTGGTG CAGGAGGCTCACTCCGATTTAAGGT
1358	Table 3A	Hs.120996	AW504293	7141960	serine/threonine kinase 17b (apoptosis- inducing) (STK17B), mRNA /cds=(261,1379)	1	CTGTGGTCTGTTATATGAGAGAGATC CTTTAACTAGAGCAAAGAGGGAGT
1359	Table 3A	Hs.182937	AW630825	7377615	peptidylprolyl isomerase A (cyclophilin A) (PPIA), mRNA /cds=(44,541)	1	GCTTGCTGTTCCTTAGAATTTTGCCTT GTAAGTTCTAGCTCAAGTTGGGG
1360	Table 3A	Hs.102647	AW651682	7412932	602271536F1 cDNA, 5' end /clone=IMAGE:4359609 /clone_end=5'	1	TTTCTCAGAGCTGGAGGTTGCTGGG CACCTAAATGATGTTTCATGATAGC
1361	Table 3A	NA	AW792856	7844778	UM0001 cDNA	1	CTTTTTGTAAGTTACAACATTCCACTG GATCCTTATATTGCCTGTAGTGG
1362	Table 3A	NA	AW810442	7903436	ST0125 cDNA	1	CTCATCTATGTCTTCTAAAGCTTTTCT GCATTCTTCCACCTGGGATTCAA
1363	Table 3A	NA	AW812896	7905890	RC3-ST0186-250200-018-a11 cDNA /gb=AW812896	1	CTGTCTTTGGAAGGAGACACAAGAAC CTGATAACATTGGTTGTCTTCGGG
1364	Table 3A	Hs 44577	AW813133		602388170F1 cDNA, 5' end /clone=IMAGE:4517129 /clone_end=5'	1	AAACAAGAACCCACTTAAACACAGCA TCAAACTCTACCATGAAATGAA
1365	Table 3A	Hs.23128	AW819894	7912888	Homo sapiens, Similar to RIKEN cDNA 4931428D14 gene, clone MGC:15407 IMAGE:4309613, mRNA, complete cds /cds=(123,1151)	1	TTCTTCCTGGTCATATTCCTCTTTTGA TTTTCTAAGAACTTCCCTCAGGA
1366	Table 3A	Hs.165695	AW850041	7945558		1	ACACAAGATACTGCCACTTTCTCTAC ACAAAGACCCACCCAAACACCAGC
1367	Table 3A	Hs.301756	AW866426	8000476	Homo sapiens, clone MGC:17544 IMAGE:3462146, mRNA, complete cds /cds=(256.894)	1	CTTTCTCAGGAAGTGGCTCTGCCAGG CAGGACTATGTGGGAAAGGGTTTT
1368	Table 3A	Hs.130729	AW898615	8062820	. , ,	1	ATTACATGCTAACTCAAACTTACAAAA TCAAGCTCTCTGTGATCCTGGTT
1369	Table 3A	Hs.166975	AW949461	8139088	splicing factor, arginine/serine-rich 5 (SFRS5), mRNA /cds=(218,541)	1	GATTAAAGGCTTCCATCGATTGGGTA GTGTCCTTCAAGTGGGTGGCGAAG
1370	Table 3A	Hs.172028	AW954112	8143795	a disintegrin and metalloproteinase domain 10 (ADAM10), mRNA	1	TGTATTAACAGGCTTATTGCTATGCA GGGAAATAGAAGGGGCATTACAAA
1371	Table 3A	Hs.76728	AW954476	8144159	602570065F1 cDNA, 5' end /clone=IMAGE:4694321 /clone_end=5'	1	TGGTGGATGGATGGAAACACATACCT CCTAATTAACCTGTTGGTGGAAAC
1372	Table 3A	Hs.292457	AW954580	8144263	Homo sapiens, clone MGC:16362 IMAGE:3927795, mRNA, complete cds /cds=(498,635)	1	GCCTTGGAGTGTGACATTTCTGCGAG AATGCTTAAATACCGATTTCCCGC
1373	Table 3A	Hs 95835	AW955265	8144948	RST8356 cDNA	1	AGGGAGTCGTTTTACCAATTCACTGG CCCGTGTTTTACAAACGTCTGACT
1374	Table 3A	Hs.205353	AW957139	8146822	ectonucleoside triphosphate diphosphohydrolase 1 (ENTPD1), mRNA /cds=(67,1599)	1	TGGAGAGCTTGGGACAAGGTCAGAA TGAAAACATACCAGTCAATCCTGCT
1375	Table 3A	Hs.289088	AW958538	8148222	heat shock 90kD protein 1, alpha (HSPCA), mRNA /cds=(60,2258)	1	ACCTGTGCTCTTTGGATACCTAATGC GACATTTAAGTTGTATTTGACAGT
1376	Table 3A	Hs 14453	AW960484	8150168		1	AGGCTGGGCACAAAGGAGAAAGGAG GACATGGAAAATCCGACAATTCGAA
1377	Table 3A	Hs 198427	AW960593	8150277	•	1	ATCTCAAATCCTTGAGCACTCAGTCT AGTGAAGATGTTGTCATTATGTACA
1378	Table 3A	Hs 237868	AW963171	8153007	• • •	1	GGGTCATAGGTTCATGGGTTTGTTGA GAATTGTGGCTCCTGGTTTCTGGT

1379	Table 3A	Hs 56205	AW964218	8154054	insulin induced gene 1 (INSIG1),	1	GCCTTCTTTCTGCTGACTGGGGGCTT
1380	Table 3A	Hs.30212	AW965078	8154914	mRNA /cds=(414,1247) thyroid receptor interacting protein 15	1	TCATTTAAAAGGAGTCTTTTTAAT TGTAAACAGTGGCAGGAGCGTGGAC
		Hs 124764	A1A/065400	8155326	(TRIP15), mRNA /cds=(15,1346) 602386504F1 cDNA, 5' end	1	TTAAAACAAGGCTTGCTTATTTGGT GCCCTTTGGGTTAAGCCTTTACATTC
1381	Table 3A				/clone=IMAGE:4515481 /clone_end=5'		ATGAAGACCCCTCCAGGGTAGAAT
1382	Table 3A	Hs.132739	AW965987	8155823	EST378060 cDNA /	1	AAAAGGAAAACGAAAAAGGAAAAGGT GGCCAATGTGGAAAAAGTTTCAAT
1383	Table 3A	Hs 293418	AW966098	8155934	EST385296 cDNA	1	ACTCTCAGGAGCCATGAAAGCTGCAC AGTTACTTTATATACCACGAGGCA
1384	Table 3A	Hs 25130	AW967388	8157225	cDNA FLJ14923 fis, clone	1	TTATGTCACCAGAATGTTTGCCAACA
					PLACE1008244, weakly similar to VEGETATIBLE INCOMPATIBILITY		CCCCGAAAAGGAACCAGAGGACTT
	T 11 04	11- 040045	AW968561	0459400	PROTEIN HET-E-1 /cds=UNKNOWN 602621493F1 cDNA, 5' end	1	AGGTTATTTGAGCACAGTGAAAGCAG
1385	Table 3A	HS.343013	A44900001		/clone=IMAGE:4755166 /clone_end=5'		AGTACTATGGTTGTCCAACACAGG
1386	Table 3A	Hs 82712	AW969359	8159203	fragile X mental retardation, autosomal homolog 1 (FXR1), mRNA	1	GGCCTGCCATCCGAGGGACTGTGTT GTAGATTGTGATCAAGGTTGATTGG
1387	Table 3A	Hs.199160	AW969546	8159390	translocation T(4:11) of ALL-1 gene to chromosome 4 /cds=UNKNOWN	1	ACAGGTAGTTGAATAATTGTTTCAAG AGCTCAACAGATGACAAGCTTCTT
1388	Table 3A	Hs.293744	AW973953	8165036	602279577F1 cDNA, 5' end	1	AATACACTTTGTGCCAAGGGAAGAAC
1389	Table 3A	Hs.43148	AW993524	8253690	/cione=IMAGE:4367322 /cione_end=5' 602554063F1 cDNA, 5' end	1	ACTGCATGCCCTGGGTCTTCAGTC GGGAACTGGAGGTGAGAAGCATTAT
1390	Table 3A	Hs 238990	AY004255	9652559	/clone=IMAGE:4663887 /clone_end=5' Homo sapiens, Similar to cyclin-	1	AATAGCCTCTCTGCCTTTATCTACA ACAAGCCAAAGTGGCATGTTTTGTGC
1390	Table 3A	113 230330	A1004200	5002000	dependent kinase inhibitor 1B (p27,		ATTTGTAAATGCTGTGTTGGGTAG
					Kip1), clone MGC:5304 IMAGE:3458141, mRNA, complete cds		
1391	Table 3A	Hs.16773	AY007106	9955998	clone TCCCIA00427 mRNA sequence /cds=UNKNOWN	1	AACAGACTGTCGTAGAAAACTGTCTT TGCTTCCAAATCAGCAGAGGACCA
1392	Table 3A	Hs.285013	AY007110	9956004	putative HLA class II associated protein	1	GCCCCTCAGAAGAGCCAAACTTTGAG TTTTATGTCTGTTTGTCATTGATA
1393	Table 3A	Hs.24435	AY007126	9956024	I (PHAP1), mRNA /cds=(148,897) clone CDABP0028 mRNA sequence	1	CCTTGTGTCCAACGGGAATAGGAAGA
1394	Table 3A	Hs,330838	BE910568	10407295	/cds=UNKNOWN 601501121F1 cDNA, 5' end	1	ATTAGTTACTGACTTCACCTGAGA CCCACAATTGGACTGATAGGGGGAG
			AY007158	9956071	/clone=IMAGE:3903053 /clone_end=5' hypothetical protein FLJ14827	1	AAAATCCAAAGAGACGGAGCAACTG AACGGCAACTGGGAGATTTGTGAGT
1395	Table 3A	Hs.250820			(FLJ14827), mRNA /cds=(468,1277)	•	GAACACTGTTTCATCTTAATATGCT
1396	Table 3A	Hs.173274	AY007165	9956080	integrin cytoplasmic domain-associated protein 1 (ICAP-1A), transcript variant 1,	1	ACATCTGAGAAACCCTGAATCCTGCA ATCAAGTAGAAGTCAACTTCATCT
1397	Table 3A	Hs.105484	AY007243	12621025	mRNA /cds=(168,770) regenerating gene type IV (REG-IV),	1	GCCATAGGAAGGTTTACCAGTAGAAT
1200	Table 3A	Hs.5298	AY029066	14017308	mRNA /cds=(181,657) CGI-45 protein (LOC51094), mRNA	1	CCTTGCTAGGTTGATGTGGGCCAT TCATCTCAACTTAGTATTATACCCACA
1398					/cds=(182,1294)		CCCACCCAAGAACAGGGTTTGTT
1399	Table 3A	Hs 79070	BC000141	12652778	v-myc avian myelocytomatosis viral oncogene homolog (MYC), mRNA	1	GACTGAAAGATTTAGCCATAATGTAA ACTGCCTCAAATTGGACTTTGGGC
1400	Table 3A	He 334602	BC000167	13096801	/cds=(558,1877) cDNA FLJ14539 fis, clone	1	GGCACTGTCTGTGTCCTTCCTTGAAC
1400		113.004002	B0000107	10000001	NT2RM2001345, weakly similar to		TGTCTACCCTGTTGCTTTTCACAA
					VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1 /cds=(7,1434)		
1401	Table 3A	Hs.75458	BC000374	12653212	ribosomal protein L18 (RPL18), mRNA /cds=(15,581)	1	GGCCAGCCGAGGCTACAAAAACTAA CCCTGGATCCTACTCTTATTAAA
1402	Table 3A	Hs.278544	BC000408	12653278	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	1	ACTAGGTTGCAATATGTGAAATCAGA GGACCAAAGTACAGATGGAAACCA
			50000110	10050050	(ACAT2), mRNA /cds=(37,1230)	4	CCCTGTCTGACTACAACATCCAGAAA
1403	Table 3A	Hs.183704	BC000449	12653358	ubiquitin mRNA, complete cds /cds=(135,2192)	1	GAGTCCACTCTGCACTTGGTCCTG
1404	Table 3A	Hs.151242	BC000514	12653484	serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1	1	GGCATCGCCCATGCTCCTCACCTGTA TTTTGTAATCAGAAATAAATTGCT
1405	Table 24	Hs 180450	BC000523	12653502	(SERPING1), mRNA /cds=(60,1562) ribosomal protein S24 (RPS24),	1	AAAGCAACGAAAGGAACGCAAGAAC
1405	Table 3A	HS 100450	BC000523	12655502	transcript variant 1, mRNA	•	AGAATGAAGAAAGTCAGGGGGACTG
1406	Table 3A	Hs 272822	BC000530	12653516	/cds=(37,429) RuvB (E coli homolog)-like 1	1	TCCCACTTTGTCTGTACATACTGGCC
1407	Table 3A	Hs 83583	BC000590	12653624	(RUVBL1), mRNA /cds=(76,1446) actin related protein 2/3 complex,	1	TCTGTGATTACATAGATCAGCCAT GAAGCGGCTGGCAACTGAAGGCTGG
					subunit 2 (34 kD) (ARPC2), mRNA mRNA for KIAA0640 protein, partial	1	AACACTTGCTACTGGATAATCGTAG CAGTCACGTCAGTTATGTAGATACTG
1408		Hs.153026			cds /cds=(0,1812)		CATGGCAGGAGAGCTTTACGCTAA
1409	Table 3A	Hs.321677	BC000627	12653684	signal transducer and activator of transcription 3 (acute-phase response	1	GCCACCCCTCACACAGCCAAACCCC AGATCATCTGAAACTACTAACTTTG
					factor) (STAT3), mRNA		

Table 8

1410	Table 3A	Hs 5662	BC000672	12653772	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1	1	GCAGGTGACCATTGGCACACGCTAG AAGTTTATGGCAGAGCTTTACAAAT
1411	Table 3A	Hs 4147	BC000687	12653796	(GNB2L1), mRNA /cds=(95,1048) Homo sapiens, translocating chain-associating membrane protein, clone MGC:784 IMAGE:3347823, mRNA,	1	TGCCATGCTGCTAGGAAATTGTCCTT TTTCTTTCTAGCTGTTAACCTACT
1412	Table 3A	Hs.44468	BC000758	12653928	complete cds /cds=(91,1215) Homo sapiens, clone MGC:2698 IMAGE:2820737, mRNA, complete cds /cds=(168,266)	1	AACTTATTCCAGTGTTGATCGCAAGC TGTTGATGCACAGGCGTCTTGTGG
1413	Table 3A	Hs.101514	BC000764	12653940	hypothetical protein FLJ10342 (FLJ10342), mRNA /cds=(533,1144)	1	TGAAAAGGATTAAAGCTGGTATTCTA GAACATGCCCTTCACTGGTTGTGT
1414	Table 3A	Hs.85844	BC000771	12653954	neurotrophic tyrosine kinase, receptor,	1	GGTAAGGTTTCTAGGAGGTCTGTTAG GTGTACATCCTGCAGCTTATTGGC
1415	Table 3A	Hs.195870	BC000967	13111833	type 1 (NTRK1), mRNA /cds=(0,2390) chronic myelogenous leukemia tumor antigen 66 mRNA, complete cds, alternatively spliced /cds=(232,1983)	1	TGATTCTGTAAAGCTGTGGAATGAAG CTGCAGATTTAGAGAACATTGGCT
1416	Table 3A	Hs.299214	BC001077	12654494	Homo sapiens, clone IMAGE:2822295, mRNA, partial cds /cds=(0,661)	1	CGATTTTACACGGCTGGGTAGAATTT GTAGAAAAGATCCACAGGGCAAGC
1417	Table 3A	Hs.82193	BC001169	12654662	cDNA FLJ11763 fis, clone HEMBA1005679 /cds=UNKNOWN	1	GCTACTACTTCATTGCAACCTTTATTA CTGACCACATCAGACATCATGCT
1418	Table 3A	Hs.240770	BC001255	12654824	Homo sapiens, nuclear cap binding protein subunit 2, 20kD, clone MGC:4991 IMAGE:3458927, mRNA, complete cds /cds=(26,496)	1	GGGCTGAAGTACCTAAGTGTGAATGT CTCTCCCGTTAAACTGAGTGTAGA
1419	Table 3A	Hs.73957	BC001267	12654846	Homo sapiens, RAB5A, member RAS oncogene family, clone MGC:5048 IMAGE:3463669, mRNA, complete cds	1	AGGAAAACGGTTCACCAGTGTTTAGT TTTATATTGAGGTGCTCAGGTTGG
1420	Table 3A	Hs.73965	BC001303	12654914	/cds=(165,812) splicing factor, arginine/serine-rich 2 (SFRS2), mRNA /cds=(155,820)	1	CCGGGCCTTGCATATAAATAACGGAG CATACAGTGAGCACATCTAGCTGA
1421	Table 3A	Hs.62954	BC001399	12655094	ferritin, heavy polypeptide 1 (FTH1), mRNA /cds=(91,663)	1	ATAATGAAAGCTAAGCCTCGGGCTAA TTTCCCCATAGCCGTGGGGTGACT
1422	Table 3A	Hs.288036	BC001412	12655120	tRNA isopentenylpyrophosphate transferase (IPT), mRNA	1	TGCATCGTAAAACCTTCAGAAGGAAA GGAGAATGTTTTGTGGACCACTTT
1423	Table 3A	Hs.3459	BC001413	13937593	cDNA: FLJ22003 fis, clone HEP06764 /cds=UNKNOWN	1	TGCTCTGTTCTGGTTTCTGTTTTCAAA TCAAATGCCTGTTTGGGAGGAGA
1424	Table 3A	Hs.51299	BC001632	12804450	NADH dehydrogenase (ubiquinone) flavoprotein 2 (24kD) (NDUFV2), mRNA	1	CAAAATCCCAAAACCAGGGCCAAGG AGTGGACGCTTCTCTTGTGAGCCAG
1425	Table 3A	Hs.155101	BC001637	12804460	/cds=(18,767) mRNA for KIAA1578 protein, partial cds /cds=(0,3608)	1	ACAAATTTCTTGGCTGGATTTGAAGC TTAAACTCCTGTGGATTCACATCA
1426	Table 3A	Hs.318069	BC001646	12804476		1	TCCACGGTTGTGCCTTATTGTTCCAT TAAAATTGTATCTTCGATCCATCA
1427	Table 3A	Hs.8297	BC001660	12804498		1	GGTCTGAGAGTCTGTGAAGATGGCC CAGTCTTCTATCCCCCCACCTAAAAA
1428	Table 3A	Hs.17279	BC001697	12804560	tyrosylprotein sulfotransferase 1 (TPST1), mRNA /cds=(81,1193)	1	ACACACAGGAGGGAAAATCCTGGGA TTCTTTTTCTAGGGATGTAATACAT
1429	Table 3A	Hs 284291	BC001798	12804732	sorting nexin 6 (SNX6), mRNA /cds=(497,1369)	1	CTGTTTGAACTGTTGAGTTTCCGTTG CTGGCTGAGTGCGTTTTGTCCTTC
1430	Table 3A	Hs.8297	BC001819	12804758	* _ · · · · · · · · · · · · · · · · · ·	1	GGTCTGAGAGTCTGTGAAGATGGCC CAGTCTTCTATCCCCCACCTAAAAA
1431	Table 3A	Hs 77502	BC001854	12804818	Homo sapiens, methionine adenosyltransferase II, alpha, clone MGC:4537 IMAGE:3010820, mRNA, complete cds /cds=(116,1303)	1	GGTACAGAGAAGCCAGCTTGTTTACA TGCTTATTCCATGACTGCTTGCCC
1432	Table 3A	Hs 77502	BC001854	12804818	•	1	GGTACAGAGAAGCCAGCTTGTTTACA TGCTTATTCCATGACTGCTTGCCC
1433	Table 3A	Hs.13580	BC001909	12804912	Homo sapiens, clone IMAGE:3537447, mRNA, partial cds /cds=(0,790)	1	GGGAGAATGAATGTGCAACGTGGCT GAAATCTATTTTGTGTAATAAAAGG
1434	Table 3A	Hs.157236	BC001913	12804920	Homo sapiens, clone MGC:3015 IMAGE:3162543, mRNA, complete cds /cds=(332,1234)	1	CCCCACCACCCCATTACCACAGCTGC CTTTGTGTGTTTGTGTCAATAAAA
1435	Table 3A	Hs.318885	BC001980	12805046	superoxide dismutase 2, mitochondrial (SOD2), mRNA /cds=(4,672)	1	CCAGCAAGATAATGTCCTGTCTTCTA AGATGTGCATCAAGCCTGGTACAT
1436	Table 3A	Hs.288061	BC002409	12803202	actin, beta (ACTB), mRNA /cds=(73,1200)	1	CCAACTTGAGATGTATGAAGGCTTTT GGTCTCCCTGGGAGTGGGTGGAGG
1437	Table 3A	Hs 284214	BC002435	12803242	putative zinc finger protein (LOC55818), mRNA /cds=(299,3937)	1	GCTACTAGAGAGCAAGGGGCTTTCTT ACCACCAGTGCTGAGGAGAAAAGT
1438	Table 3A	Hs.334822	12803270	12803270	•	1	ACCAAGAAACCAGCCCCTGAAAAGAA GCCTGCAGAGAAGAAACCTACTAC

Table 8

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1439	Table 3A	Hs.104879	BC002538	12803428	Homo sapiens, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9, clone MGC:2131 IMAGE:3140427, mRNA,	1	TTTCCTCATCTATGAATTGTCATTCAC ACACCTACTTTTCTGCTTCGTTT
1440	Table 3A	Hs.104879	BC002538	12803428	complete cds /cds=(92,1222) Homo sapiens, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9, clone MGC.2131 IMAGE:3140427, mRNA, complete cds /cds=(92,1222)	1	TTTCCTCATCTATGAATTGTCATTCAC ACACCTACTTTTCTGCTTCGTTT
1441	Table 3A	Hs.146409	BC002711	12803746	cell division cycle 42 (GTP-binding protein, 25kD) (CDC42), mRNA	1	AATAATGACAAATGCCCTGCACCTAC CCACATGCACTCGTGTGAGACAAG
1442	Table 3A	Hs.322824	BC002746	12803812	Homo sapiens, Similar to dodecenoyl- Coenzyme A delta isomerase (3,2 trans- enoyl-Coenzyme A isomerase), clone MGC:3903 IMAGE:3630566, mRNA, complete cds /cds=(15,872)	1	GTGCCCCTGTGGGTCCCAGGGAGGT CTTAAACAAGGTATTTTTCAACTTA
1443	Table 3A	Hs.46446	BC002796	12803898	lymphoblastic leukemia derived sequence 1 (LYL1), mRNA /cds=(0,803)	1	CAGTGAAGACGTCAGGGGCAAGGTC TCGGGGGTCCGGAAGGGTGATCATC
1444	Table 3A	Hs.322404	BC002837	12803976	hypothetical protein MGC4175 (MGC4175), mRNA /cds=(221,577)	1	TGCAAGGGAGACATATCCTAGATCAC TTTGCTTTTCTTTAAGGAGCTGA
1445	Table 3A	Hs.288036	BC002845	12803990	tRNA isopentenylpyrophosphate transferase (IPT), mRNA	1	TGCATCGTAAAACCTTCAGAAGGAAA GGAGAATGTTTTGTGGACCACTTT
1446	Table 3A	Hs.318693	BC002867	12804028	Homo sapiens, clone IMAGE:3940519, mRNA, partial cds /cds=(0,902)	1	TTGGGGGAGGTTAGGGACTTATCCT GTGCTTGTAAATAAATAAGGTCATG
1447	Table 3A	Hs.181309	BC002900	12804094		1	ACTTGGCTGCCATAGCATAACAATGA AGTGACTGAAAAAATCCAGAATTTC
1448	Table 3A	Hs.96757	12804148	12804148	• • •	1	AAAATATTAAACACAAACTACCACCTA CCTCCCTCACCAAAGCCCATAAA
1449	Table 3A	Hs.1600	BC002971	12804224	Homo sapiens, clone IMAGE:3543711, mRNA, partial cds /cds=(0,1620)	1	AGCTGTTTGGTAACCATAGTTTCACT TGTTCAAAGCTGTGTAATCGTGGG
1450	Table 3A	Hs.1600	BC002971	12804224	Homo sapiens, clone IMAGE:3543711, mRNA, partial cds /cds=(0,1620)	1	AGCTGTTTGGTAACCATAGTTTCACT TGTTCAAAGCTGTGTAATCGTGGG
1451	Table 3A	Hs.75193	BC003090	13111846	COP9 homolog (COP9), mRNA /cds=(49,678)	1	TGTCGCCTTTTAGAAGGAGAAACTTA AGTGTGGAATGCATTATATGGGCA
1452	Table 3A	Hs.334861	BC003137	13111932	hypothetical protein FLJ23059 (FLJ23059), mRNA /cds=(41,1681)	1	TCCTTGGCAGCTGTATTCTGGAGTCT GGATGTTGCTCTCTAAAGACCTTT
1453	Table 3A	Hs.326456	BC003352	13097158	hypothetical protein FLJ20030 (FLJ20030), mRNA /cds=(1,1239)	1	TTTGGAGTGGAGGCATTGTTTTAAG AAAAACATGTCATGT
1454	Table 3A	Hs 77091	NM_006730	5803006	deoxyribonuclease I-like 1 (DNASE1L1), mRNA /cds=(794,1702)	1	TGGCTGGGACGCTAGAAGGGTCATG TGTTAACTATAATCACATTTATGGT
1455	Table 3A	Hs.24697	BC003406	13097305		1	ATTCTGGTTAACCGCTCACATGCATA ACAATAATGCTAGAAATTCAGGAA
1456	Table 3A	Hs.42712	BC003525	13097617	Homo sapiens, Similar to Max, clone MGC:10775 IMAGE:3607261, mRNA, complete cds /cds=(115,570)	1	TGCTGATTTCTAGTGTATACTCTGTA GTCTCAGTTCGTGTTTGATTCCAT
1457	Table 3A	Hs.5322	BC003563	13097716	guanine nucleotide binding protein (G protein), gamma 5 (GNG5), mRNA /cds=(333,539)	1	AAATGAATCTTTCAAAGGTTTCCCAAA CCACTCCTTATGATCCAGTGATA
1458	Table 3A	Hs 334861	BC003577	13097758	hypothetical protein FLJ23059 (FLJ23059), mRNA /cds=(41,1681)	1	TCCTTGGCAGCTGTATTCTGGAGTCT GGATGTTGCTCTCTAAAGACCTTT
1459	Table 3A	Hs 56851	BC003581	13097767	hypothetical protein MGC2668 (MGC2668), mRNA /cds=(20,325)	1	TGCGTGTGCCTCAGTTTCCTCCTCCA CAACTGAATATTTATAGTGGCTGA
1460	Table 3A	Hs.188757	BC003697	13277575	Homo sapiens, clone MGC:5564, mRNA, complete cds /cds=(227,304)	1	GGGATGTGGAGGATTTTTGTTAAGTG TCAATCGAAGTTAAAAAGCAAGGG
1461	Table 3A	Hs.215595	BC004186	13278842	guanine nucleotide binding protein (G protein), beta polypeptide 1 (GNB1), mRNA /cds=(280,1302)	1	AGCTCTCTGCACCCTTACCCCTTTCC ACCTTTTGTATTTAATTTTAAAGT
1462	Table 3A	Hs.111334	BC004245	13279004	PRO2760 mRNA, complete cds /cds=UNKNOWN	1	CCCTCCAGCCAATAGGCAGCTTTCTT AACTATCCTAACAAGCCTTGGACC
1463	Table 3A	Hs.70333	BC004258	13279043	mRNA for KIAA1844 protein, partial cds /cds=(0,1105)	1	CGTGGTTGTGGGAGGGGAAAGAGGA AACAGAGCTAGTCAGATGTGAATTG
1464	Table 3A	Hs.9788	BC004317	13279217	hypothetical protein MGC10924 similar to Nedd4 WW-binding protein 5 (MGC10924), mRNA /cds=(104,769)	1	ACAATGTGTTAGCAGAAACCAGTGGG TTATAATGTAGAATGATGTGCTTT
1465	Table 3A	Hs.254105	BC004458	13325286		1	GCTAGATCCCCGGTGGTTTTTGTGCTC AAAATAAAAAGCCTCAGTGACCCA
1466	Table 3A	Hs.155101	BC004521	13325447		1	ACAAATTTCTTGGCTGGATTTGAAGC TTAAACTCCTGTGGATTCACATCA
1467	Table 3A	Hs.17132	BC004805	13937690		1	GCTGTGGTTGGTTGCATTACATGACA CAGAAAACTGTCCTCTACCTCACG

	1468	Table 3A	Hs.103378	BC004872	13436100	hypothetical protein MGC11034	1	GCCCTGGTAGGCTCCTTTAGAAGGA
	1469	Table 3A	Hs 151242	BC004000	13/136172	(MGC11034), mRNA /cds=(245,640) serine (or cysteine) proteinase inhibitor,	1	CCATTTCTGTTCCTAGAGCTTAACT GGCATCGCCCATGCTCCTCACCTGTA
	1409	Table 3A	115 131242	DC004300	10400172	clade G (C1 inhibitor), member 1	•	TTTTGTAATCAGAAATAAATTGCT
						(SERPING1), mRNA /cds=(60,1562)		TTTOOCTOTOCTOTOCTTCAA
•	1470	Table 3A	Hs.74335	BC004928	13436256	heat shock 90kD protein 1, beta (HSPCB), mRNA /cds=(0,2174)	1	TTTCCCTCTCCTGTCCTTGTGTTGAA GGCAGTAAACTAAGGGTGTCAAGC
	1471	Table 3A	Hs.336916	BC004994	13436445	death-associated protein 6 (DAXX),	1	AGACTGGAAATGGGGATGAGGGTGT
				D0005404	40007700	mRNA /cds=(147,2369)	1	AAATTGTATTGAAAAAGATCGCGAA CCATGAGTTGTTTGGTTTTCCAGAAG
	1472	Table 3A	Hs.60377	BC005101	13937700	mRNA for KIAA1298 protein, partial cds /cds=(55,2271)	'	CTGCCAGTGGGTTCCCGTGAATTG
	1473	Table 3A	Hs.99858	BC005128	13477308	ribosomal protein L7a (RPL7A), mRNA	1	GATACGATGAGATCCGCCGTCACTG
	1 4 7 4	Table 24	Un 177507	DC005197	13528770	/cds=(31,831) hypothetical protein (HSPC155),	1	GGGTGGCAATGTCCTGGGTCCTAAG AGTCTTTCTGGTTTCTGGAGATAACC
	1474	Table 3A	Hs.177507	BC005187	13320170	mRNA /cds=(240,743)	•	CATCAATAAAGCTGCTTCCTCTGG
	1475	Table 3A	Hs.251531	BC005361	13529190	proteasome (prosome, macropain)	1	CGATGATGGTTACCCTTCATGGACGT
						subunit, alpha type, 4 (PSMA4), mRNA /cds=(59,844)		CTTAATCTTCCACACACATCCCCT
	1476	Table 3A	Hs.100000	BC005928	13543538	S100 calcium-binding protein A8	1	GGCCCCTGGACATGTACCTGCAGAA
						(calgranulin A) (S100A8), mRNA		TAATAAAGTCATCAATACCTAAAAA
	1477	Table 3A	Hs.334573	BC006008	13937718	/cds=(55,339) clone IMAGE:4285740, mRNA	1	GCAAACCTGCAGATTCCCAAGATGTT
		. 40.0 0.1	.,			/cds=UNKNOWN		CACGAGCTTGTGCTTTCTAAAGAA
	1478	Table 3A	Hs.101150	BC006176	13544094	clone IMAGE:4054156,	1	GCCTGTTTTGTTTTGTTTTTTTTTTTTTTTTTTTTTTT
	1479	Table 3A	Hs.108824	BC006282	13623362	hypothetical protein MGC10540	1	CTTTAGCTGCTGTTGCCTCCCTTCTC
						(MGC10540), mRNA /cds=(49,579)	_	AGGCTGGTGCTGGATCCTTCCTAG
	1480	Table 3A	Hs.239884	BC006464	13623674	H2B histone family, member L (H2BFL), mRNA /cds=(0,380)	1	CTGCTTATGGCACAATTTGCCTCAAA ATCCATTCCAAGTTGTATATTTGT
	1481	Table 3A	Hs.19574	BC006849	13905123	hypothetical protein MGC5469	1	CTGCTTCTGGGTGCATGGTAGACTTT
			050740	D0007004	40007007	(MGC5469), mRNA /cds=(69,1124)	1	GTGGCATTTGATACAACTTGGACA CTTATAGTATTTATCCACCCAAACCC
	1482	Table 3A	Hs 252716	BC007004	13937807	oxysterol-binding protein-related protein 1 (FLJ10217), mRNA	1	CAGACTGAGATACTGCTCCCAGGG
	1483	Table 3A	Hs.180909	BC007063	13937906	peroxiredoxin 1 (PRDX1), mRNA	1	GAGAGACCAGCCTTTCTTCCTTTGGT
	1484	Table 3A	Hs.238730	BC007203	13938171	/cds=(60,659) hypothetical protein MGC10823	1	AGGAATGGCCTGAGTTGGCGTTGT CAGAGGTGGGAGTAACTGCTGGTAG
	1404	Table SA	115.250750	B0001200	10000171	(MGC10823), mRNA /cds=(63,1235)	•	TGCCTTCTTTGGTTGTTTGCTCAG
	1485	Table 3A	Hs.334637	BC007277	13938298	hypothetical protein MGC15619	1	CTGTGTGCCCCAGCTGCATCAGCCA GCTTCTAGGTGGCTCCATTGTTTTC
	1486	Table 3A	Hs.298262	BE250027	9120132	(MGC15619), mRNA /cds=(744,1454) ribosomal protein S19 (RPS19), mRNA	1	AGAGCAGAATAGCAATATAAGAGCAC
						/cds=(69,506)		AGACGAACATAGACACGACAGCGA
	1487	Table 3A	Hs.297095	BE253125	9123276	601116648F1 cDNA, 5' end	1	CTATTAGGACCCAGTGATTATGCTAC
	1407	Table on	113.207 000	DLZOOIZO		/clone=IMAGE:3357178 /clone_end=5'	•	CTTGGCACGGTTAGGGTACTGCGG
	1488	Table 3A	NA	BE253336	9123402	cDNA clone IMAGE:3357826 5'	1	AAAGAAGCATGCACACTTATCACAAA CAACTCTCTCAGGTGGCCAGTCTG
	1489	Table 3A	Hs 75313	BE254064	9124489	aldo-keto reductase family 1, member	1	TGCTGCCTATATGAAGTCTTTGAGAA
						B1 (aldose reductase) (AKR1B1),		AGCCCCTCTTGGAGTCTGTGCCTT
	1490	Table 3A	Hs.314898	BE255377	9125816	mRNA /cds=(45,995) 601115405F1 cDNA, 5' end	1	GATATACGAGGACAAAACCCATCTAC
	1450	Table of				/clone=IMAGE:3355872 /clone_end=51	•	CAGGCAGCTAACAAACCGCCGCCA
	1491	Table 3A	Hs.296183	BE259480	9129916	601106571F1 cDNA, 5' end /clone=IMAGE:3342929 /clone_end=5'	1	GCCACTTTATTAGTAATGGTCGATAG TCCGAATCGATGGCTAGGGTGACT
	1492	Table 3A	Hs.301809	BE260041	9131017	601150579F1 cDNA, 5' end	1	TAATCTGGCGGGTTATACCCCCGTGT
						/clone=IMAGE:3503419 /clone_end=5'		TCTCCGGATTATATTTCGGGACAC
	1493	Table 3A	Hs.308154	BE264564	9138121	601192330F1 cDNA, 5' end /clone=IMAGE:3536383 /clone_end=5'	1	GCTGGATTTGTGGGTATGGGGGCGG TTTTTGGGCGAAGGTTGGTTGTTAC
	1494	Table 3A	Hs.279429	BE279328	9154319	601157666F1 cDNA, 5' end	1	CCACATCATCGGGGGGGAAATAGAA
						/clone=IMAGE:3504328 /clone_end=5'		GCCCAGAGAGAGGCTAGGTGTAGGA
	1495	Table 3A	Hs 95835	BE292793	9175433	RST8356 cDNA	1	AGGGAGACTCTCAGCCTTCAGCTTCC
					0.470.400	00444075054		TAAATTCTGTGTCTGTGACTTCAACA
	1496	Table 3A	Hs 142737	BE293343	91/6462	601143756F1 cDNA, 5' end /clone=IMAGE:3051493 /clone_end=5'	1	TTGTCAAGCTGCTGCTGTCTTCAAGA TCTACCTGGTCAGAATCTCCTGCT
	1497	Table 3A	Hs.337986	BE297329	9180903	Homo sapiens, clone MGC:17431	1	GGCCAGTCTCTATGTGTCTTAATCCC
						IMAGE:2984883, mRNA, complete cds /cds=(1336,1494)		TTGTCCTTCATTAAAAGCAAAACT
	1498	Table 3A	Hs.192755	BE298181	9181768	601118566F1 cDNA, 5' end	1	TCTCTCACATTCTGTCTTTCCCCTCCT
						/clone=IMAGE:3028193 /clone_end=5'		CCTTCACCTTCCCTCCGTCCCTC
	1499	Table 3A	Hs.336628	BE311727	9148186	ribosomal protein L36a (RPL36A), mRNA /cds=(30,350)	1	ACACGAGACTATAGAGAATGCAGCAC ACAGATGAGAGCAGAGC
	1500	Table 3A	Hs 129872	BE379820	9325198	sperm associated antigen 9 (SPAG9),	1	GCATCCAGATGGTGGTTTACTCTGCA
	1501	Table 3A	He 221510	BE407125	93/3575	mRNA /cds=(110,2410) 601301818F1 cDNA, 5' end	1	ACAGTCTAATGTTCTTCACTTCCA GGGGTTTTCACCCTACCTAAAGATGC
	1001	I HAVIE UM	113 20 10 10	DE-707 123	UU-10010	/clone=IMAGE-3636412 /clone_end=5'	•	TTTAATTGCTGTTTTCCAAATTGT

MAGE 3811443, mRNA, complete of index=4787, 1716)		Table 3A Table 3A	Hs.315263 Hs 258494		9759916	601302278F1 cDNA, 5' end /clone=IMAGE:3637002 /clone_end=5' Homo sapiens, Similar to hypothetical protein FLJ22376, clone MGC:16044	1	ATGCCTAACAAGCAACATGATCCTAT AAATCCACCCCAAGCCAATCTGGT CCACCATCTGGTACGTTTTTACTTCC TCACCCGCGTGTACTCCGATTACC
1505 Table 3A						IMAGE 3610443, mRNA, complete cds		
1505 Table 3A	1504	Table 3A	Hs 13328	BE537908	9766464		1	
1507 Table 3A	1505	Table 3A	Hs 125819	BE538333	9766978	putative dimethyladenosine transferase	1	CAAAGGAAGGGCGTGAAGGGGTGA
1507 Table 3A	1506	Table 3A	Hs.5122	BE539096	9767741		1	
1508 Table 3A	1507	Table 3A	Hs.180549	BE540238	9768883	601059809F1 cDNA, 5' end	1	AATTTTCTCTCACCTCATCACTCGGG
1509 Table 3A	1508	Table 3A	Hs.155101	BE547584	9776229	mRNA for KIAA1578 protein, partial	1	
1510 Table 3A NA BE589141 8812851 CDNA clone IMAGE:3881180 5 1 CATATTIGGTGACTAACGGGTTACCTG CATAGGGGTTACCTGGGC TAAAGATTCCTGGGGC TCCTCAACGTGTTGGGCCTTTTGGGGCT TAAAGATTCCTGGGGCT TAAAGATTCCTGTGACCTTCTCA AATCCCCCAGCATGGGTGTACCTTCCACCTGTG TAAAGATTCCTGGGTGTACCTTCTCA TAAAGATTCCTGGGTGTACCTTCTCACCTGTGTACTTCCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCTCACCTGTGTACCTTCCTCACCTGTGTACCTTCCTCACCACACCACACACA	1509	Table 3A	Hs.74861	BE549137	9777782	activated RNA polymerase II	1	
Table 3A	1510	Table 3A	NA	BE569141	9812861		1	TGAACTTCCAAAATTCCTTGGGGC
248N9 on chromosome 13 Contains	1511	Table 3A	NA	BE612847	9894444		1	AGGGTTAGCGTCTTTGGGCATTTC
1513 Table 3A	1512	Table 3A	Hs.194362	BE618004	9888942	248N6 on chromosome 13 Contains ESTs, STSs and GSSs Contains two olfactory receptor pseudogenes, an NPM1 (nucleophosmin, nucleolar	1	
1514 Table 3A	1513	Table 3A	Hs.294309	BE621121	9892059	pseudogene and a BCR (breakpoint	1	
1515 Table 3A	1514	Table 3A	Hs.184582	BE730026	10144018	ribosomal protein L24 (RPL24), mRNA	1	AAAGACGAACGAGACACGAAAGCAA
1516 Table 3A	1515	Table 3A	Hs.76572	BE730376	10144368	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring	1	
1517 Table 3A	1516	Table 3A	Hs.77496	BE737246	10151226	small nuclear ribonucleoprotein polypeptide G (SNRPG), mRNA	1	
1518 Table 3A	1517	Table 3A	Hs.271272	BE737348	10151340	DKFZp434K1715_r1 cDNA, 5' end	1	
1519 Table 3A	1518	Table 3A	Hs.58066	BE739287	10153279	602389077F1 cDNA, 5' end	1	TGGCCTTTTAAATAACTGGGCTTCTC
1520 Table 3A	1519	Table 3A	Hs.127951	BE745645	10159637	hypothetical protein FLJ14503	1	ATTGTGACATGGTGATGCCTCATTGC
NT2RP3000528 /cds=UNKNOWN	1520	Table 3A	Hs.276718	BE747210	10161202	601473284T1 cDNA, 3' end	1	GGAAGAGATAACACCACAACGAAAGA
Table 3A	1521	Table 3A	Hs.285647	BE747224	10161216		1	
Table 3A Hs.283674 BE778549 10199747 hypothetical protein MGC2495 (MGC2495), mRNA /cds=(0,416) at Table 3A Hs 61472 BE779284 10200482 601464557F1 cDNA, 5' end /clone=IMAGE.3867566 /clone_end=5' at Table 3A Hs.43273 BE781009 10202207 602642428F1 cDNA, 5' end /clone=IMAGE 4773534 /clone_end=5' at Table 3A Hs.102558 BE781611 10202895 601467463F1 cDNA, 5' end /clone=IMAGE.3870902 /clone_end=5' at TTCTACTGGAGTGCCCCAAGTGATTTA 10204022 602557448F1 cDNA, 5' end /clone=IMAGE.3870902 /clone_end=5' at TTCTACTGGAGTGCCTGGTGTCTT 10204022 602557448F1 cDNA, 5' end /clone=IMAGE.3870902 /clone_end=5' at TTCTACTGGAGTGCCTGGTGTCTT 10204022 602557448F1 cDNA, 5' end /clone=IMAGE.3870902 /clone_end=5' at TTCTACTGGAGTGCCTGGTGTCTT 10204022 602557448F1 cDNA, 5' end /clone=IMAGE.3870902 /clone_end=5' at TTCTACTGGAGTGCCTGTGTTGTCCCCAAGTGATTTA 10204022 602557448F1 cDNA, 5' end /clone=IMAGE.3870902 /clone_end=5' at TTCTACTGGAGTGCCTCTTTAACAAACACACAACACAAACAA	1522	Table 3A	Hs.293842	BE748123	10162115	601571679F1 cDNA, 5' end	· 1	ACCCAAGGGTCTCGCCAGTGGGGTT
Table 3A Hs 61472 BE779284 10200482 601464557F1 cDNA, 5' end /clone=IMAGE.3867566 /clone_end=5'	1523	Table 3A	Hs.283674	BE778549	10199747	hypothetical protein MGC2495	1	ACAGTACACAATCACCTGCAAGGGAC
// Indicates the second state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state of the general state	1524	Table 3A	Hs 61472	BE779284	10200482	601464557F1 cDNA, 5' end	1	TCTCACAGCGAGAGGAGGACGGG
Table 3A Hs.102558 BE781611 10202895 601467463F1 cDNA, 5' end /clone=IMAGE.3870902 /clone_end=5' AGCTAACACACACACACACACACACACACACACACACACA	1525	Table 3A	Hs.43273	BE781009	10202207		1	
Table 3A Hs.40334 BE782824 10204022 602557448F1 cDNA, 5' end /clone=IMAGE:4686562 /clone_end=5' Table 3A Hs.79914 BE783628 10204826 lumican (LUM), mRNA /cds=(84,1100) Table 3A Hs.135056 BE786820 10208018 DNA sequence from clone RP5-850E9 on chromosome 20. Contains part of the gene for a novel C2H2 type zinc finger protein similar to Drosophila Scratch (Scrt), Slug and Xenopus Snail, a novel gene similar to Drosophila	1526	Table 3A	Hs.102558	BE781611	10202895	601467463F1 cDNA, 5' end	1	TTCCGGCTTTTAACAAACACACACCA
Table 3A Hs.79914 BE783628 10204826 lumican (LUM), mRNA /cds=(84,1100) 1 GAACTCGTCCACTCTTCTCGGGCCAC TATTCTGGTTCAGGGAATCTTGGG 1529 Table 3A Hs.135056 BE786820 10208018 DNA sequence from clone RP5-850E9 on chromosome 20. Contains part of the gene for a novel C2H2 type zinc finger protein similar to Drosophila Scratch (Scrt), Slug and Xenopus Snail, a novel gene similar to Drosophila	1527	Table 3A	Hs.40334	BE782824	10204022	602557448F1 cDNA, 5' end	1	AAGACTTGCCTCTTTAAAATTGCTTTG
Table 3A Hs.135056 BE786820 10208018 DNA sequence from clone RP5-850E9 1 AGCAATAAACCGAAGCAGCTAGACAG on chromosome 20. Contains part of the gene for a novel C2H2 type zinc finger protein similar to Drosophila Scratch (Scrt), Slug and Xenopus Snail, a novel gene similar to Drosophila	1528	Table 3A	Hs.79914	BE783628	10204826		1	GAACTCGTCCACTCTTCTCGGGCCAC
	1529	Table 3A	Hs.135056	BE786820	10208018	on chromosome 20. Contains part of the gene for a novel C2H2 type zinc finger protein similar to Drosophila Scratch (Scrt), Slug and Xenopus Snail, a novel gene similar to Drosophila	1	AGCAATAAACCGAAGCAGCTAGACAG

Table 8

1530	Table 3A	Hs 11355	BE788546		thymopoietin (TMPO), mRNA	1	CGCCCATACTAGAGAAGTTTGCCCTC TATTGTCTCTCACACCACAATGAG
1531	Table 3A	Hs 75458	BE790474	10211672	/cds=(204,2288) ribosomal protein L18 (RPL18), mRNA /cds=(15,581)	1	CACAGACATCCACGGACACAAAAGG CGGGGACCACCACCACAATGAACAC
1532	Table 3A	Hs 20225	BE792125	10213323	tuftelin-interacting protein (TIP39), mRNA /cds=(263,2776)	1	GCGTCGATTGATATCAGACAGCATCG TCTCTGCGAGCACAAAGATCTGTT
1533	Table 3A	Hs 11607	BE794595	10215793	602429913F1 cDNA, 5' end /clone=IMAGE:4547787 /clone_end=5'	1	GGAACAGGGTTAATGGCCAGGCCCT TTGCCGCCCCTTTTAAAGGGAATCC
1534	Table 3A	Hs 58297	BE867841	10316617	CLLL8 protein (CLLD8), mRNA /cds=(825,2984)	1	ACAGAGTAACATGGGATATGGGTATG AGTGGGATGTGCTGAGAAGGAACT
1535	Table 3A	Hs.179703	BE868389		tripartite motif protein 14 (TRIM14), mRNA /cds=(10,1230)	1	GGGGGCAAAGAAAGTACATTGGGTG AAAATTTAAAAAGGTATGGAGCATT
1536	Table 3A	NA	BE871962	10320738	601448005F1 cDNA, 5' end /clone=IMAGE:3852001	1	CAAACGAACAGCGAAGACAACTC ACGATGCTGCACAACGCGACCAAC
1537	Table 3A	Hs.31314	BE872245	10321021	retinoblastoma-binding protein 7 (RBBP7), mRNA /cds=(287,1564)	1	ACATTITATAAGGCATTTGTGTTAGCC ACTCAGTCATCTTTGGGTGCTGC
1538	Table 3A	Hs 47334	BE872760	10321536	hypothetical protein FLJ14495 (FLJ14495), mRNA /cds=(83,1141)	1	GTCACAGCAACGTGTCGCTCCCCAG ATCATTTATTAGCGTCGATTGTTGT
1539	Table 3A	Hs.6820	BE875609	10324385	602418418F1 cDNA, 5' end /clone=IMAGE:4525397 /clone_end=5'	1	ATTCCAAACGGGATCTGCTGAGACCT CACAGAGGTGGGCCGCGATTATAA
1540	Table 3A	Hs 158164	BE876375	10325061	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) (TAP1), mRNA /cds=(30,2456)	1	CCTAGGGTGAAACACGTGACAGAAG AATAAAGACTATTGAATAGTCCTCT
1541	Table 3A	Hs.237868	BE877115	10325891	interleukin 7 receptor (IL7R), mRNA /cds=(22,1401)	1	CCAGCCTTTGCCTCTTCCTTCAATGT GGTTTCCATGGGAATTTGCTTCAG
1542	Table 3A	Hs.24181	BE877357	10326133	601485590F1 cDNA, 5' end /clone=IMAGE:3887951 /clone_end=5'	1	CCCCTTGTTTACTCTGTCTGTATGTAT GTCAAAAGCGTGGCAAAACCTCT
1543	Table 3A	Hs.237868	BE878973	10327749	interleukin 7 receptor (IL7R), mRNA /cds=(22,1401)	1	CATGATCTCAGAGGAAACTGTCGCTG ACCCTGGACATGGGTACGTTTGAC
1544	Table 3A	NA	BE879482	13959823	mitochondrion, complete genome	1	CCTCTACCTGCACGACAATACATAAT GACCCACCAATCACATGCCTATCA
1545	Table 3A	NA	BE881113	10329889	cDNA clone IMAGE:3894306 5'	1	ATTTGGAAGCGCCACCCTAGCAAATA TACAAACCATTAAACCTTCCCTCT
1546	Table 3A	Hs.323950	BE881351	10330127	zinc finger protein 6 (CMPX1) (ZNF6), mRNA /cds=(1265,3361)	1	TTTACCAATGATTTTCAGGTGACCTG GGCTAAGTCATTTAAACTGGGTCT
1547	Table 3A	Hs.111554	BE882335	10331111	ADP-ribosylation factor-like 7 (ARL7), mRNA /cds=(14,592)	1	AGTTTACATATCGACAGCATATCCAC TGATTTCTAAATGGGCTGGTCCCA
1548	Table 3A	NA	BE884898	10333674	cDNA clone IMAGE:3908551 5'	1	ATCTGGAGTGGGACCCTTCAAACCAT GTCTGTGCTTATGCGGGAAACAAT
1549	Table 3A	Hs.142838	BE886127	10340315	nucleolar protein interacting with the FHA domain of pKi-67 (NIFK), mRNA /cds=(54,935)	1	GCGGAGAGAAGAAGAGGTAGATATG AGAACAGTGTGTGGTATATGATAGT
1550	Table 3A	Hs.301486	BE886472	10340792	601509688F1 cDNA, 5' end /clone=IMAGE:3911301 /clone_end=5'	1	GAAATCCCACCGGCAAGTTAAGGTCA CGGAGCAAGTGAATAAACGCGGAG
1551	Table 3A	Hs 250824	BE887646	10343176	cDNA: FLJ23435 fis, clone HRC12631 /cds=UNKNOWN	1	GTGATCAAACAAATTCACAGCACAGA CACCGCGCAACAACGCAACTTCTC
1552	Table 3A	Hs.320836	BE888304	10344472	601514033F1 cDNA, 5' end /clone=IMAGE.3915177 /clone_end=5'	1	GGTATTTGTGTTGTTGAGTATTGTGT CTGGGTGTGGGTATTTGATTCTTT
1553	Table 3A	Hs.169274	BE888744	10345354	AL528777 cDNA /clone=CS0DD001YG24-(3-prime)	1	GGGTTCGTCCAGGGCTGCGCTAAAT TATTCTCAATGATTTGTCTCTTTGC
1554	Table 3A	Hs.71941	BE889075	10346019	hypothetical protein MGC15677 (MGC15677), mRNA /cds=(298,807)	1	CAATGACGCAGTCGGACCCTCGGAT CCAAGTCCTGCTTTGGGTGTGGACC
1555	Table 3A	Hs.188757	BE891242	10350376	Homo sapiens, clone MGC:5564, mRNA, complete cds /cds=(227,304)	1	GGGTTATAATAGATGGACGGGTCTTT CACGGTGGTGACAGCACCCTTTCC
1556	Table 3A	Hs.171802	BE891269	10350433	RST31551 cDNA	1	TCCGCTGCAATTTGAGTTTAGCTTTA CAGATTGTGCCGGGTGTTTAACCT
1557	Table 3A	Hs.4055	BE891928	10351744	mRNA; cDNA DKFZp564C2063 (from clone DKFZp564C2063)	1	CTCCTTCCCAAAGACTTGAGTGGAAC TTCCCTTTCATGTGCGTATCGGTC
1558	Table 3A	Hs 3297	BE895166	10358288	ribosomal protein S27a (RPS27A), mRNA /cds=(38,508)	1	AAATTAGTCGCCTTCGTCGAGAGTGC CCTTCTGATGAATGTGGTGCTGGG
1559	Table 3A	NA	BE896691	10361375	cDNA clone IMAGE:3925062 5'	1	GACAGTACTCCTAAGACCCCTGTGTG TGTCCCGATGAGATCATGACTGGG
1560	Table 3A	NA	NC_001807	13959823	COX2 gene of mitochondria	1	CATGCCCATCGTCCTAGAATTAATTC CCCTAAAAATCTTTGAAATAGGGC
1561	Table 3A	NA	BE899595	10367264	cDNA clone IMAGE:3952215 5'	1	GGCGTATCATCAACTGGTGAGCCCG AAGGGATATTATTTCTAAGGCCTCT
1562	Table 3A	Hs.285122	BE901218	10390179	FLJ21839, clone MGC.2851 IMAGE:2967512, mRNA, complete cds	1	CCAGAATCGTAAGGGGGCTGACGGA GGATGAGAGGGGGCACCCAGAGATC
1563	Table 3A	Hs 293515	BE905040	10397924	/cds=(444,2618) 602286727T1 cDNA, 3' end /clone=IMAGE:4375662 /clone_end=3'	1	CGGTGTTTTCTGATCGGTTTTTGTTTT CTGCTTACATATGATGTACTTGT
1564	Table 3A	Hs.278704	BE973840	10587176	RST30930 cDNA	1	ACAGAATGCAGCGGTGCAACACCGG CAAGGTTCCACACGCCACAAAGAAA

Table 8

					Table o		
1565	Table 3A	Hs 217493	D00017	219909	annexin A2 (ANXA2), mRNA /cds=(49,1068)	1	TGGAAGTGAAGTCTATGATGTGAAAC ACTTTGCCTCCTGTGTACTGTGTC
1566	Table 3A	Hs 25	D00022		Homo sapiens, Similar to ATP synthase, H+ transporting, mitochondrial F1 complex, beta	1	CCAAAAAGCTTCATTTTTCTATATAGG CTGCACAAGAGCCTTGATTGAAG
1567	Table 3A	Hs 76549	D00099	219941	polypeptide, clone MGC:19754 IMAGE:3629237, mRNA, complete cds mRNA for Na,K-ATPase alpha-subunit,	1	TCACAAGACAGTCATCAGAACCAGTA
1568	Table 3A	Hs 76549	D00099	219941	complete cds /cds=(318,3389) mRNA for Na,K-ATPase alpha-subunit,	1	AATATCCGTCTGCCAGTTCGATCA TCACAAGACAGTCATCAGAACCAGTA AATATCCGTCTGCCAGTTCGATCA
1569	Table 3A	Hs.154890	D10040	219899	complete cds /cds=(318,3389) fatty-acid-Coenzyme A ligase, long- chain 2 (FACL2), mRNA /cds=(13,2109)	1	GCTGTCATTTGTACATTTAAAGCAGC TGTTTTGGGGTCTGTGAGAGTACA
1570	Table 3A	Hs.46	D10202	219975	platelet-activating factor receptor (PTAFR), mRNA /cds=(25,1053)	1	TATCCTGAGTCCCTTAATCTTATGGG GCCGGAAGGAATGTCAGGGCCAGG
1571	Table 3A	Hs.155342	D10495	520586	protein kinase C, delta (PRKCD), mRNA /cds=(58,2088)	1	CTCTGCCTTCGGAGGGAAATTGTAAA TCCTGTGTTTCATTACTTGAATGT
1572	Table 3A	Hs.330716	D10522	219893	cDNA FLJ14368 fis, clone HEMBA1001122 /cds=UNKNOWN	1	AAACTCCTGCTTAAGGTGTTCTAATTT TCTGTGAGCACACTAAAAGCGAA
1573	Table 3A	Hs.137555	D10923	219866	putative chemokine receptor, GTP- binding protein (HM74), mRNA	1	GGGTGCACGTTCCTCCTGGTTCCTTC GCTTGTGTTTCTGTACTTACCAAA
1574	Table 3A	Hs.301921			chemokine (C-C motif) receptor 1 (CCR1), mRNA /cds=(62,1129)	1	GGGGTTGGGAGGAAGTGTCTACTAG GAGGGTGGGTGAGATCTGTGTTGAT ATCTACCCTCCGATTGTTCCTGAACC
1575	Table 3A	Hs.238893	D11086		od15g01.s1 cDNA /clone=IMAGE:1368048 proteasome (prosome, macropain) 26S	1	GATGAGAAATAAAGTTTCTGTTGA AAGTCTTATGCCAAATTCAGTGCTAC
1576	Table 3A	Hs.61153	D11094	219930	subunit, ATPase, 2 (PSMC2), mRNA /cds=(66,1367)	•	TCCTCGTTACATGACATACAACTG
1577	Table 3A	Hs.36	D12614	219911		1	CACACGGAGGCATCTGCACCCTCGA TGAAGCCCAATAAACCTCTTTTCTC
1578	Table 3A	Hs.333114	D13316		AV713318 cDNA, 5' end /clone=DCAAAC09 /clone_end=5'	1	ACAACGTCGTGACTGGGAAAACCCT GGCGTTACCCAACTTAATCGCCTTG
1579	Table 3A	Hs.15071	D13627		chaperonin containing TCP1, subunit 8 (theta) (CCT8), mRNA /cds=(28,1674)	1	CCAAGCCTCCAAGTGGGAAGAAAGA CTGGGATGATGACCAAAATGATTGA CAACTACTTGTGGCATGCATTGGCAC
1580	Table 3A	Hs.195614			splicing factor 3b, subunit 3, 130kD (SF3B3), mRNA /cds=(156,3809)	1	TCGGAATAAAGCGCACTATTGTCA GAAGGGGTAGGGTCCACCATACTGG
1581	Table 3A	Hs.2471	D13645	286008	KIAA0020 gene product (KIAA0020), mRNA /cds=(418,1944) H-2K binding factor-2 (LOC51580),	1	TAATTGGGGTACTCTGTATATGTGT GCTCAGTTCCATATTTCATCCGTGAA
1582	Table 3A Table 3A	Hs 278573 Hs.43910	D14041 D14043		mRNA /cds=(238,1500) CD164 antigen, sialomucin (CD164),	1	AAACTTGCAATACGAGCAGTTTCA AATTGTCATTTACCTGGGTATGAATTC
1583 1584		Hs.111894		285962	mRNA /cds=(79,648)	1	CCTGACACACATTCATGTCAACA GTGACTTGACTGTGGAAGATGATGGT
					transmembrane 4 alpha (LAPTM4A), mRNA /cds=(148,849)		TGCATGTTTCTAGTTTGTATATGT
1585	Table 3A	Hs.232068	D15050		transcription factor 8 (represses interleukin 2 expression) (TCF8),	1	CAGTGCTGTAATACAGACGGCAATGC AATAGCCTATTTAAAGAACTACGT AGCTGGTGGATGGTGACTTTTGAAGA
1586		Hs.279607			calpastatin (CAST), mRNA /cds=(66,1358)	1	ACAAAAGGCTTTGGCAACAGAAAA TCTGTTGTCACTAAAGACTAAATGAG
1587	Table 3A	Hs.146812	D16481	4/3/11	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	'	GGTTTGCAGTTGGGAAAGAGGTCA
1588	Table 3A	Hs.50651	D17042	598768	(HADHB), mRNA /cds=(46,1470) Janus kinase 1 (a protein tyrosine	1	GCGGAGTTGACCAAAATAATATCTGA
1589	Table 3A	Hs 180828	D17391	440365	kinase) (JAK1), mRNA /cds=(75,3503) collagen, type IV, alpha 4 (COL4A4),	1	GGATGATTGCTTTTCCCTGCTGCC CATCTTGAACTTGGCCTGAGAACATT TTCTGGGAAGAGGTAAGGGTGACA
1590	Table 3A	Hs.178658	D21090	498147	mRNA /cds=(208,5280) RAD23 (S. cerevisiae) homolog B (RAD23B), mRNA /cds=(313,1542)	1	TCTGTGGAATCTCCTTCATTGGCATT GTTATTTAATCATAAACGGGGCAG
1591	Table 3A	Hs 75337	D21262	434764	mRNA for KIAA0035 gene, partial cds /cds=(0,2125)	1	TGTACTGTTCATGCTGACACAGATAT TTCAGTCTGCATGGTAAAAGTTCT
1592	Table 3A	Hs.79768	D21853	434770	KIAA0111 gene product (KIAA0111), mRNA /cds=(214,1449)	1	TAATGGGGTTTATATGGACTTTCTTCT CATAAATGGCCTGCCGTCTCCCT
1593	3 Table 3A	Hs.334822	2 D23660	43235	Homo sapiens, Similar to ribosomal protein L4, clone MGC:2966 IMAGE:3139805, mRNA, complete cds	1	ACCAAGAAACCAGCCCCTGAAAAGAA GCCTGCAGAGAAAACCTACTAC
1594	Table 3A	Hs.75512	D23662	43236	/cds=(1616,2617) 2 neural precursor cell expressed, developmentally down-regulated 8 (NEDD8), mRNA /cds=(99,344)	1	AGTCCTGTGTGCTTCCCTCTTTATG ACTGTGTCCCTGGTTGTCAATAAA
1595	5 Table 3A	Hs.35804	D25215	51711	hect domain and RLD 3 (HERC3), mRNA /cds=(166,3318)	1	ACCCACCACCTCTTGCACTCTCGCTT TTGGAGCAAGTTGCATTAACTATT

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1596	Table 3A	Hs 173737	D25274	:	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1) (RAC1), transcript	1	TGACAGTTGCAGAATTGTGGAGTGTT TTTACATTGATCTTTTGCTAATGC
1597	Table 3A	Hs 172199	D25538	436217	variant Rac1b, mRNA /cds=(0,635) adenylate cyclase 7 (ADCY7), mRNA /cds=(265,3507)	1	ATGACAGACACACGTATCTAACAAAC AAACAAACAGTGACCTTCTCCATG
1598	Table 3A	Hs.82502	D26018	436221	mRNA for KIAA0039 gene, partial cds /cds=(0,1475)	1	GCAAGGGATAATACAAATCCTATGAT CTCTATGCCCAATATGCTGCCTCA
1599	Table 3A	Hs 169303	D26121		mRNA for ZFM1 protein alternatively spliced product, complete cds	1	AGTACTTTTCACAGCGTGGCCTTTCA CCATAATTTTATATTTCTCCCCCT
1600	Table 3A	Hs 90315	D26488	452522	/cds=(382,624) mRNA for KIAA0007 gene, partial cds /cds=(0,2062)	1	TCTTAAGAGCCAGAGCCATATAAGCA TCTTGGGAAAGCAAGTTTGAACCA
1601	Table 3A	Hs.17719	D28589	460714	EBP50-PDZ interactor of 64 kD (EPI64), mRNA /cds=(24,1550)	1	AAGCCGGTCATGAGATTATATGTGGT AAAGTTAATTGACTAACAACCCCA
1602	Table 3A	Hs 198248	D29805		UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1 (B4GALT1), mRNA /cds=(72,1268)	1	AGGGGGCTGTGTCTGATCTTGGTGTT CAAAACAGAACTGTATTTTTGCCT
1603	Table 3A	Hs.79709	D30036	1060902	phosphotidylinositol transfer protein (PITPN), mRNA /cds=(216,1028)	1	GTTCATAGCTTCCTGCAACTTGACAG AGCCTGAGTTTGCCTCTTAGTGGG
1604	Table 3A	Hs 115263	D30783	2381480	epiregulin (EREG), mRNA /cds=(166,675)	1	CATATGGGAGAAGGGGGAGTAATGA CTTGTACAAACAGTATTTCTGGTGT
1605	Table 3A	Hs.75416	D31767	505091	DAZ associated protein 2 (DAZAP2), mRNA /cds=(69,575)	1	ACATGTGATGTTTGACTGTACCATTG ACTGTTATGGAAGTTCAGCGTTGT
1606	Table 3A	Hs.3094	D31884	505095	KIAA0063 gene product (KIAA0063), mRNA /cds=(279,887)	1	TCTTGCTTTTATTCCTTTTTGTTGTTG GCCTTGTGCTGCGTTTGTTTACA
1607	Table 3A	Hs 75249	D31885	505097	mRNA for KIAA0069 gene, partial cds /cds=(0,680)	1	AGTGTTGTTTTCTCCTCTTTAATATTG CTGTGAACAGTGGTGCCCATTGT
1608	Table 3A	Hs.3100	D32053	2366751	lysyl-tRNA synthetase (KARS), mRNA /cds=(40,1833)	1	AATTCTTGTGTGCTGCTTTCCATTTGA CACCGCAGTTCTGTTCAGCCATC
1609	Table 3A	Hs.181244	D32129	699597	major histocompatibility complex, class I, A (HLA-A), mRNA /cds=(0,1097)	1	GAGGTGTCTCCATCTCTGCCTCAACT TCATGGTGCACTGAGCTGTAACTT
1610	Table 3A	Hs.89887	D38081	533325	thromboxane A2 receptor (TBXA2R), mRNA /cds=(991,2022)	1	TGAACCTCCAACAGGGAAGGCTCTGT CCAGAAAGGATTGAATGTGAAACG
1611	Table 3A	Hs.138593	D38524		5'-nucleotidase (purine), cytosolic type B (NT5B), mRNA /cds=(83,1768)	1	TATTTCTTCCATTCTTGTCATTGGTC AATAGGGGAGGGTAGATTAGCTG
1612	Table 3A	Hs.77257	D38549	559702	Homo sapiens, Similar to selective hybridizing clone, clone MGC 13167 IMAGE:3163591, mRNA, complete cds /cds=(52,3813)	1	TCCCCTGCTTCCACTAAATCCAGTTG TGACAAAATCTAACGTGACATCAG
1613	Table 3A	Hs.81848	D38551	1531549	RAD21 (S. pombe) homolog (RAD21), mRNA /cds=(184,2079)	1	ACCTGGTCAACTTAGCTTTTAAGCAG ACGATGCTGTAAAAACTAACGGCT
1614	Table 3A	Hs.81964	D38555	559716	SEC24 (S. cerevisiae) related gene family, member C (SEC24C), mRNA /cds=(114,3491)	1	ACCTGGGATGCCCCTGCTCTGGACC TCTCATTTCTTCATTGGTTTATT
1615	Table 3A	Hs.78871	D42039	577290	mRNA for KIAA0081 gene, partial cds /cds=(0,702)	1	ATCTATCCTTGCCAGCCTTGGGCATC ACATTTACCAGTTTAATAGATTGT
1616	Table 3A	Hs.75243	D42040	577292	bromodomain-containing 2 (BRD2), mRNA /cds=(1701,4106)	1	GCCCTGATCTGGAGTTACCTGAGGC CATAGCTGCCCTATTCACTTCTAAG
1617	Table 3A	Hs.79123	D42043	577298	mRNA for KIAA0084 gene, partial cds /cds=(0,1946)	1	CTTGACCAAACCCACAGCCTGTCTCT TCTCTTGTTTAGTTACTTACGGCA
1618	literature	Hs.1560	D42045	577302	mRNA for KIAA0086 gene, complete cds /cds=(918,4040)	1	CCTTAGAAGAGGAAGCAAAGGCAGA TTCAGGGACCAAAAGGATTAATGAT
1619	Table 3A	Hs.151791	D42054	577310	KIAA0092 gene product (KIAA0092), mRNA /cds=(53,1477)	1	ATGTGTCAACCACCATTTCAGCTATT AAAAACTCCTGTTATCTCCTTGTT
1620	Table 3A	Hs.129914	D43968	966996	AML1 mRNA for AML1b protein (alternatively spliced product), complete cds /cds=(1578,2939)	1	AGCCACCAGAGCCTTCCTCTTTGT ACCACAGTTTCTTCTGTAAATCCA
1621	Table 3A	Hs 183706	D44640	1572115		1	ACATGAAATATAGTTGCATATATGGA CACCGACTTGGGAGGACAGGTCCT
1622	Table 3A	Hs.1119	D49728	1813881	nuclear receptor subfamily 4, group A, member 1 (NR4A1), mRNA /cds=(110,1906)	1	CTTTCCAGCCTCCTGCTGGGCTCTCT CTTCCTACCCTCCTTCCACATGTA
1623	Table 3A	Hs 83077	D49950	1405318	interleukin 18 (Interferon-gamma- inducing factor) (IL18), mRNA	1	AGATAGCCAGCCTAGAGGTATGGCT GTAACTATCTCTGTGAAGTGTGAGA
1624	Table 3A	Hs.155543	B D50063	971269		1	TGGCATCCTCAGGGGTTGTGATCCA GCTCCATATATTGTTTACCTTCAAA
1625	Table 3A	Hs.182255	5 D50420	2618577		1	CATGAGGAGAGTGCTAGTTCATGTGT TCTCCATTCTTGTGAGCATCCTAA
1626	Table 3A	Hs 699	D50525	1167502	peptidylprolyl isomerase B (cyclophilin B) (PPIB), mRNA /cds=(21,671)	1	CAGCAAATCCATCTGAACTGTGGAGG AGAAGCTCTCTTTACTGAGGGTGC
1627	7 Table 3A	Hs 82028	D50683	1827474	mRNA for TGF-betallR alpha, complete cds /cds=(1572,3275)	1	TCAGCATAAACTGGAATGTAGTGTCA GAGGATACTGTGGCTTGTTTTGTT

1628	Table 3A	Hs 90998	D50918		mRNA for KIAA0128 gene, partial cds	1	TGGTGAAACAAACCAGTCATTAGAA ATGGTCTGTGCTTTTATTTTCCCA
1629	Table 3A	Hs 70359	D50926		/cds=(0,1276) genomic DNA, chromosome 21q22.2,	1	ACTATGCTTTATTGGTCCCATGTTTTG
1029	Table on	110 7 0000	500020		PCR fragment from BAC		TGCAATTTTAAAGAGATGGCTTT
					clone:KB739C11, CBR1-HLCS region		AAAGATGAACTATTTGGTCTCATTGA
1630	Table 3A	Hs 198899	D50929	1469200	eukaryotic translation initiation factor 3, subunit 10 (theta, 150/170kD)	1	AGCCAACACAGAACTTGCTGCTGT
					(EIF3S10), mRNA /cds=(113,4261)		7000/10/10/10/10/10/10/10
1631	Table 3A	Hs 77152	D55716	1255616	minichromosome maintenance	1	GGAGCCCCTCTTTCTCCCATGCTGCA
1001	Table of t	710 71 102	500		deficient (S cerevisiae) 7 (MCM7),		CTTACTCCTTTTGCTAATAAAAGT
					mRNA /cds=(544,2175)		COTTOCATOTOCOACCCCACTCCCAC
1632	Table 3A	Hs.181418	D63486	1469885	KIAA0152 gene product (KIAA0152), mRNA /cds=(128,1006)	1	CAAAAAGTACAAAATCAGGATGTT
1633	Table 3A	Hs.3195	D63789	1754608	small inducible cytokine subfamily C,	1	TGATGGTAACCATAATGGAAGAGATT
1033	Table SA	115.5195	D00700	170-1000	member 1 (lymphotactin) (SCYC1),		CTGGCTAGTGTCTATCAGAGGTGA
					mRNA /cds=(20,364)		GTCCTGGTGGTATCTTCAATAGCCAC
1634	Table 3A	Hs.274472	D63874	968887	high-mobility group (nonhistone chromosomal) protein 1 (HMG1),	1	TAACCCTGCCTGGTACAGTATGGG
					mRNA /cds=(52,699)		178100010001001001001001001001001001001001
1635	Table 3A	Hs.87726	D63876	961443	ADP-ribosylation factor-binding protein	1	CCCAGCTCTGCTGCCCTTGTTTTGCT
					GGA3 (GGA3), mRNA /cds=(8,2080)		GCATGTTAAATAAAACCATTTTCA CCCACACTGCTACACTTCTGATCCCC
1636	Table 3A	Hs.155595	D63878	961447	neural precursor cell expressed,	1	TTTGGTTTTACTACCCAAATCTAA
					developmentally down-regulated 5 (NEDD5), mRNA /cds=(258,1343)		THOSTATIACIACCONTINU
1637	Table 3A	Hs.182741	D64015	2281005	TIA1 cytotoxic granule-associated RNA-	1	CTGTAATACCTCCTCCTAACCAAGCC
1001	100.00				binding protein-like 1 (TIAL1), transcript		GGATATGGTATGGCAAGTTACCAA
					variant 2, mRNA /cds=(157,954)	1	CCCTTGTAAGGGAATTCTGGGGCAG
1638	Table 3A	Hs.75232	D67029	1669536	SEC14 (S. cerevisiae)-like 1 (SEC14L1), mRNA /cds=(303,2450)	1	CTATGGTTTGAGTATGCAGTTTGCA
1639	Table 3A	Hs.155968	D76444	1945614	zinc finger protein homologous to	1	ACAATCTCTGTCCAGCACCTCTTGGT
1000	100000				Zfp103 in mouse (ZFP103), mRNA		TAAATAATGTATGCTGTGAGACAT
1640	Table 3A	Hs.80905	D79990	1136395	Ras association (RalGDS/AF-6)	1	ACAGGGCCTCAGCAAGGGAGCCATA CATTTTTGTAACATTTTGATATGTT
					domain family 2 (RASSF2), mRNA /cds=(196,1176)		CATTITIGIAACATTTICATATOTT
1641	Table 3A	Hs.76666	D80005	1136425	mRNA for KIAA0183 gene, partial cds	1	TTGACTGTCGATGGATTGTGGTGTGG
1071	Table of t	110.1 0000			/cds=(0,3190)		TGTATCTGAAGGCTATTGAATGCA
1642	Table 3A	Hs.322903	D80006	1136427	mRNA for KIAA0184 gene, partial cds	1	TTCTGTTCCAAACAAGTATTCTGTAGA TCCAAATGGATTACCAGTGTGCT
4040	T-61- 04	11- 70200	D92019	1927/9/	/cds=(0,2591) nel (chicken)-like 2 (NELL2), mRNA	1	ATCTTCAGAATCAGTTAGGTTCCTCA
1643	Table 3A	Hs.79389	D83018	1021404	/cds=(96,2546)	•	CTGCAAGAAATAAAATGTCAGGCA
1644	Table 3A	Hs.89385	D83243	1304113	nuclear protein, ataxia-telangiectasia	1	TGAACCTTACTGCAAAAACTTGTGAT
					locus (NPAT), mRNA /cds=(34,4317)	4	GTAAGAAATTTGTATGGTGTGGCA GCTGTCTCAAGGGTATCCGTACCTCA
1645	Table 3A	Hs.12413	D83776	1228034	mRNA for KIAA0191 gene, partial cds /cds=(0,4552)	1	ATGTCAGGTTACATTCAGCAGAAAA
1646	Table 3A	Hs.22559	D83781	1228044	mRNA for KIAA0197 gene, partial cds	1	TTGGTCAGATTTAGAAGCATTCATGC
,0.0					/cds=(0,3945)		TCACAAGTTTTGGGAAAGTGAAA
1647	Table 3A	Hs.343517	D84224	7804467	methionine-tRNA synthetase (MARS),	1	CCCTAAAGGCAAGAAGAAAAGTAAA AGACCTTGGCTCATAGAAAGTCAC
1010	Table 3A	Hs.21899	D84454	1526437	mRNA /cds=(23,2725) protein translocase, JM26 protein, UDP-	1	GTGTGTGCATGGAAGATGCCTGGGC
1648	Table 3A	115.21000	B04404	1020-101	galactose translocator, pim-2		TGTCTTTGCTATATGTAAATAGAGC
					protooncogene homolog pim-2h, and		
					shal-type potassium channel genes, complete cds; JM12 protein and		
					transcription factor IGHM enhancer 3		
					genes, partial cds; and unknown gene		
1649	Table 3A	Hs.300391	D85429	1816451	UI-H-BI4-aoq-d-01-0-UI.s1 cDNA, 3'	1	GCCTTGGCTTTATTTGCAGGCTACTA AAGCTGCTTTTACTTTGTAACTTT
4050	T-61- 0A	Un 75040	D86550	1772/37	end /clone=IMAGE:3085848 mRNA for serine/threonine protein	1	ACAGTTTGGTTACAGGACTTCTGTGC
1650	Table 3A	Hs.75842	D00000	1772437	kinase, complete cds /cds=(1473,3737)		ATTGTAAACATAAACAGCATGGAA
1651	Table 3A	Hs.36927	D86956	1503985	heat shock 105kD (HSP105B), mRNA	1	TGTGAAAGTGTGGAATGGAAGAAATG
		11 47044	D00004	4504004	/cds=(313,2757)	1	TCGATCCTGTTGTAACTGATTGTG ACAACCAACCAGTTTCTTTTCT
1652	Table 3A	Hs.17211	D86964	1504001	mRNA for KIAA0209 gene, partial cds /cds=(0,5530)	•	AATCATCTCTGAAGAGTTGCTGTT
1653	Table 3A	Hs.154332	D86967	1504007	KIAA0212 gene product (KIAA0212),	1	GAACTCCCTGATTCTATACCCTCTTC
					mRNA /cds=(58,2031)		CTTCTTTCTGCAAGGCAGAGGAAT CACCCTCAGCTCCACCCTCAGCAGAT
1654	Table 3A	Hs.110613	D86974	1504021	PI-3-kinase-related kinase SMG-1 (SMG1), mRNA /cds=(132,9227)	1	GATAATATCAAGACACCTGCGGAG
1655	Table 3A	Hs 199243	D86984	1504041	mRNA for KIAA0231 gene, partial cds	1	TTGGCCCTCAGGTTTACTGTGTAAAT
1000	LANC JA	1.3 133240	. 200004		/cds=(0,1430)		CTGCATTTTTGGTGGTAAATCCCT
1656	Table 3A	Hs.79276	D86985	6634002	mRNA for KIAA0232 protein, partial	1	GCATTTCCATAGCACTGAAGTACCAG TTTCCATTCCTGGGCTGAGATTGT
	T-61- 04	110 40045	D07400	1665750	cds /cds=(0,3836) solute carrier family 7 (cationic amino	1	CTCCTTTTAACGTGTTATTGACAAACC
1657	Table 3A	Hs.10315	D87432	1003738	acid transporter, y+ system), member 6	,	TCCCAAAAGAATATGCAATTGT
					(SLC7A6), mRNA /cds=(261,1808)		
1658	Table 3A	Hs 75912	D87446	1665780		1	AACATTCAGTTGAGACCATATGCATT TTCTGTGCTGTTTGTACTTGAGGT
					/cds=(0,5418)		110101001011101101101101001

1659	Table 3A	Hs 154978	D87450		mRNA for KIAA0261 gene, partial cds	1	TTAACCCTCAGAGAACTCTGCATTTT
			D07454		/cds=(0,3865) mRNA for KIAA0265 gene, partial cds	1	AGGGTACTTGAGGCTGACTTAACT AGCGACCTCTTCTCTAGTCCGGTGTT
1660	Table 3A	Hs 192966	D87454		/cds=(0,1205)	•	ACGAACAGAAGTTCTGAGTTGTGC
1661	Table 3A	Hs 40888	D87468	1944419	mRNA for KIAA0278 gene, partial cds	1	TAAATGTCGGTCCAGGCCCTGTGCAC
4000	Table 24	Hs.77495	D87684		/cds=(0,1383) mRNA for KIAA0242 protein, partial	1	CTTACCCCAGAGACAGACTCTTTT ATAAGGCTGTAAAATGAGAATTCTGC
1662	Table 3A	ns.//495	D07004		cds /cds=(0,1590)		CCCCTCACCTCTTACCCCAGTACT
1663	Table 3A	Hs.75789	D87953		N-myc downstream regulated	1	AAAAGTCGGGGATCGGGGCAAGAGA GGCTGAGTACGGATGGGAAACTATT
					(NDRG1), mRNA /cds=(110,1294)		GGCTGAGTAGGGATTGTATT
1664	Table 3A	Hs.75367	D89077		Src-like-adapter (SLA), mRNA	1	GAGCACCCAGAGGGATTTTTCAGTG
	w.,, a.	11- 470044	D00070		/cds=(41,871) heterogeneous nuclear	1	GGAAGCATTACACTTTGCTAAATCA TGATTAGGTGACGAGTTGACATTGAG
1665	Table 3A	Hs.170311	D89678		ribonucleoprotein D-like (HNRPDL),	•	ATTGTCCTTTTCCCCTGATCAAAA
					transcript variant 1, mRNA		TGTATGTATGGGAGTGAGGAGTTTCA
1666	Table 3A	Hs.121102	D89974	5541649	vanin 2 (VNN2), mRNA /cds=(11,1573)	1	GGGCCATTGCAAACATAGCTGTGC
1667	Table 3A	Hs.73817	D90144	219905	gene for LD78 alpha precursor,	1	ACAGAGTTATCCACTTTACAACGGAG
		U- 04000 7	1100000	000024	complete cds tc88c11 x1 cDNA, 3' end	1	ACACAGTTCTGGAACATTGAAACT ATACGGGACAATAAAATCTGCCTTTT
1668	Table 3A	Hs.218387	H03298	000231	/clone=IMAGE:2073236 /clone_end=3'		GCTCTGGAGGGAGATACTACCTCT
1669	Table 3A	Hs.70258	H06786	870318	yl83g05.r1 cDNA, 5' end	1	GGGCAAACAACTTTAGGAATACTAGT TACTCACTTAACATGGAGGGCGGG
4670	Table 24	Hs 32149	H14103	878951	/clone=IMAGE:44737 /clone_end=5' ym62a02.r1 cDNA, 5' end	1	AAAGGCCGCGCAGATTGTTTAATTCT
1670	Table 3A	115 32 143	1114100		/clone=IMAGE.163466 /clone_end=5'		GGAAAGTCAATCCCCGGATTTAGC
1671	Table 3A	Hs.94881	H51796	991637	602387586F1 cDNA, 5' end /clone=IMAGE:4516388 /clone_end=5'	1	GGGACTCCATGGGAATATTTGCCCAG TAATGGTAAGGAAATCTTTCGGGT
1672	Table 3A	Hs.178703	H56344	1004988	AV716627 cDNA, 5' end	1	CCAGAAAGGTGATGAATGAATAGGAC
1012	Table of				/clone=DCBBCH05 /clone_end=5'		TGAGAGTCACAGTGAATGTGGCAT TCCCAAGGTTGTTAGTGACTGATAAG
1673	Table 3A	Hs.270192	H57221	1010053	ESTs	1	CTTCCAAACTACAGTACAGTTTTT
1674	Table 3A	Hs.237146	H86841	1068420	mRNA for zinc finger protein RINZF	1	GTTTTCTTGTAGTTGCGGGTCCCTCG
			100101	400004	(RINZF gene) /cds=(598,3141)	1	CGAAAGTTCATTCATGGCCCCACT CATGGGGCTCTCTTGTGTACTTATTG
1675	Table 3A	Hs.76807	J00194	188231	major histocompatibility complex, class II, DR alpha (HLA-DRA), mRNA	•	TTTAAGGTTTCCTCAAACTGTGAT
1676	Table 3A	Hs.251064	J02621	184229	high-mobility group (nonhistone	1	ACAAATTGAAATGTCTGTACTGATCC
					chromosomal) protein 14 (HMG14), mRNA /cds=(150,452)		TCAACCAATAAAATCTCAGCCGAA
1677	Table 3A	Hs 62192	J02931	339501		1	TGCAGGAGACATTGGTATTCTGGGCA
		11. 4546	100474	404645	tissue factor) (F3), mRNA	1	GCTTCCTAATATGCTTTACAATCT TCATCCCGAGAACATTGGCTTCCACA
1678	Table 3A	Hs.1513	J03171	184645	interferon (alpha, beta and omega) receptor 1 (IFNAR1), mRNA	•	TCACAGTATCTACCCTTACATGGT
					/cds=(78,1751)		GGCATTGTTAGTTTAGTGTGTGTGCA
1679	Table 3A	Hs.317	J03250	339805	topoisomerase (DNA) I (TOP1), mRNA /cds=(247,2544)	1	GAGTCCATTTCCCACATCTTTCCT
1680	Table 3A	Hs.81118	J03459	187172	leukotriene A4 hydrolase (LTA4H),	1	GACTGCAATGCTGGTGGGGAAAGAC
4004	T-61- 04	11- 477766	102472	227422	mRNA /cds=(68,1903) ADP-ribosyltransferase (NAD+; poly	1	TTAAAAGTGGATTAAAGACCTGCGT GCTTTCCTTCTCCAGGAATACTGAAC
1681	Table 3A	Hs.177766	J03473	331423	(ADP-ribose) polymerase) (ADPRT),	·	ATGGGAGCTCTTGAAATATGTAGT
					mRNA /cds=(159,3203)	4	TGGGAATCAAGATTTAATCCTAGAGA
1682	Table 3A	Hs.73792	J03565	181919	complement component (3d/Epstein Barr virus) receptor 2 (CR2), mRNA	1	TTTGGTGTACAATTCAGGCTTTGG
					/cds=(69,3170)		GCAGTAGTGTGGACTAGAACAACCCA
1683	Table 3A	Hs.727	J03634	181946	inhibin, beta A (activin A, activin AB alpha polypeptide) (INHBA), mRNA	1	AATAGCATCTAGAAAGCCATGAGT
					/cds=(85,1365)		
1684	Table 3A	Hs.86948	J03798	338264	small nuclear ribonucleoprotein D1 polypeptide (16kD) (SNRPD1), mRNA	1	TGTGTAATGTACCTGTCAGTGCCTCC TTTATTAAGGGGTTCTTTGAGAAT
					/cds=(150,509)		
1685	Table 3A	Hs.75703	J04130	178017	small inducible cytokine A4	1	CCACTGTCACTGTTTCTCTGCTGTTG CAAATACATGGATAACACATTTGA
					(homologous to mouse Mip-1b) (SCYA4), mRNA /cds=(108,386)		
1686	Table 3A	Hs.1799	J04142	619799	CD1D antigen, d polypeptide (CD1D),	1	AGTTTGCCCTGGATGTCATATTGGCA GTTGGAGGACACAGTTTCTATTGT
4697	Table 2A	Un 209460) J04144	178285	mRNA /cds=(164,1171) dipeptidyl carboxypeptidase 1	1	CCAAGTTCCACATTCCTTCTATTGT
1687	Table 3A	Hs 298469	7 304144	170203	(angiotensin I converting enzyme)	Ť	CCTTACATCAGGTACTTTGTCAGC
	T .1. 5:	11- 48665	104400	400000	(ACE), mRNA /cds=(22,3942)	1	AGCTGTCTCCTGTTTTGTAAGCTTTC
1688	Table 3A	Hs.176663	3 J04162	183036	leukocyte IgG receptor (Fc-gamma-R) mRNA, complete cds /cds=(17,718)	1	AGTGCAACATTTCTTGGTTCCAAT
1689	Table 3A	Hs.62954	J04755	182512	ferritin, heavy polypeptide 1 (FTH1),	1	TGCATGTTGGGGTTTCCTTTACCTTTT CTATAAGTTGTACCAAAACATCC
1690	Table 3A	Hs 288156	3 J05016	181507	mRNA /cds=(91,663) cDNA: FLJ21819 fis, clone HEP01185	1	GGGTTTGTGCTATACACTGGGATGTC
1080		200100			/cds=UNKNOWN		TAATTGCAGCAATAAAGCCTTTCT
1691	Table 3A	Hs.80758	J05032	179101	aspartyl-tRNA synthetase (DARS), mRNA /cds=(93,1595)	1	GCCACACTTATTCTTTTCAGTAACCT GCTAGTGCACAGGCTGTACTTTAG

Table 8

1692	Table 3A	Hs 850	J05272	186393	IMP (inosine monophosphate) dehydrogenase 1 (IMPDH1), mRNA	1	CAGTCGAAGGCTTTAACTTTGCACAC TTGGGATCACAGTTGCGTCATTGT
1693	Table 3A	Hs 84298	K01144	188469	/cds=(600,2144) CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated) (CD74), mRNA /cds=(7,705)	1	TTCCCTTTCCCCAGCATCACTCCCCA AGGAAGAGCCAATGTTTTCCACCC
1694	Table 3A	Hs.79070	K02276	188927	v-myc avian myelocytomatosis viral oncogene homolog (MYC), mRNA /cds=(558,1877)	1	AGCCATAATGTAAACTGCCTCAAATT GGACTTTGGGCATAAAAGAACTTT
1695	Table 3A	Hs.1290	K02766	179725	complement component 9 (C9), mRNA /cds=(4.1683)	1	TTGCTTTTACTAGTCTTAGCTCTACGA TTTAAATCCATGTGTCCAAGGGG
1696	Table 3A	Hs.303157	K02885	338928	mRNA for T-cell specific protein /cds=(37,975)	1	CACACCTGCACACTCACGGCTGAAAT CTCCCTAACCCAGGGGGACCTTAG
1697	Table 3A	Hs.21595	L03426	340386	DNA segment on chromosome X and Y (unique) 155 expressed sequence (DXYS155E), mRNA /cds=(166,1323)	1	AGCTGTAACGTTCGCGTTAGGAAAGA TGGTGTTTATTCCAGTTTGCATTT
1698	Table 3A	Hs 199160	L04731	339921	translocation T(4 11) of ALL-1 gene to chromosome 4 /cds=UNKNOWN	1	AGGGGTTCCACTAGTGTCTGCTTTCC TTTATTATTGCACTGTGTGAGGTT
1699	Table 3A	Hs 234569	L05148	340038	protein tyrosine kınase related mRNA sequence /cds=UNKNOWN	1	CATCCTCAGGTGGTCAGGCGTAGAT CACCAGAATAAACCCAGCTTCCCTC
1700	Table 3A	Hs.75528	L05425	179284	nucleolar GTPase (HUMAUANTIG), mRNA /cds=(79,2274)	1	ACACACAACGTGAAAAATAGGAACAG GAACAAAAAGAAGACCAATGACTC
1701	Table 3A	Hs.284192	L06132	340198		1	TTTAGAGTCTTCCATTTTGTTGGAATT AGATCCTCCCCTTCAAATGCTGT
1702	Table 3A	Hs.1845	L06175	189448	MHC class I region ORF (P5-1), mRNA	1	CTAATTTCAGTGCTTGTGCTTGGTTG TTCAGGGCCATTTCAGGTTTGGGT
1703	Table 3A	Hs.75348	L07633	186512	/cds=(304,735) proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)	1	CCAGATTTTCCCCAAACTTGCTTCTG TTGAGATTTTTCCCTCACCTTGCC
1704	Table 3A	Hs.324278	L08048	184250	(PSME1), mRNA /cds=(92,841) mRNA; cDNA DKFZp566M063 (from	1	TGGGGGTTGTAAATTGGCATGGAAAT TTAAAGCAGGTTCTTGTTGGTGCA
1705	Table 3A	Hs.94	L08069	306713	clone DKFZp566M063) heat shock protein, DNAJ-like 2	1	AGGTGGTGTTCAGTGTCAGACCTCTT AATGGCCAGTGAATAACACTCACT
1706	Table 3A	Hs.99899	L08096	307127	(HSJ2), mRNA /cds=(82,1275) tumor necrosis factor (ligand) superfamily, member 7 (TNFSF7),	1	GGGGGTAGTTTGTGGCAGGACAAGA GAAGGCATTGAGCTTTTTCTTTCAT
1707	Table 3A	Hs.1652	L08176	183484	mRNA /cds=(137,718) chemokine (C-C motif) receptor 7 (CCR7), mRNA /cds=(66,1202)	1	TCGTTAAGAGAGCAACATTTTACCCA CACACAGATAAAGTTTTCCCTTGA
1708	Table 3A	Hs 211576	L10717	307507	IL2-inducible T-cell kinase (ITK), mRNA /cds=(2021,3883)	1	CCCTATCCCGCAAAATGGGCTTCCTG CCTGGGTTTTTCTCTTCTC
1709	Table 3A	Hs.3069	L11066	307322	heat shock 70kD protein 9B (mortalin- 2) (HSPA9B), mRNA /cds=(29,2068)	1	AAACAAGGTAGGAATGAGGCTAGAC CTTTAACTTCCCTAAGGCATACTTT
1710	Table 3A	Hs.3446	L11284	307183		1	TTCCCCATATCCAAGTACCAATGCTG TTGTAAACAACGTGTATAGTGCCT
1711	Table 3A	Hs.1183	L11329	559539		1	TGAGCCTTTCACACCTGTGCTGGCGC TGGAAAATTATTTGTGCTCAGCTG
1712	Table 3A	Hs.220	L11695	431034	transforming growth factor, beta receptor I (activin A receptor type II-like	1	TGGGATTGTACTATACCAGTAAGTGC CACTTCTGTGTCTTTCTAATGGAA
1713	Table 3A	Hs 150395	L12052	179892	kinase, 53kD) (TGFBR1), mRNA 2 cAMP phosphodiesterase PDE7 (PDE7A1) mRNA, complete cds /cds=(50,1498)	1	TTTTTCCTCACAGGAGCGGAAGAACT AGGGGGAGCAGGAGCTGCAATGCG
1714	Table 3A	Hs.104125	5 L12168	178083	adenylyl cyclase-associated protein (CAP), mRNA /cds=(62,1489)	1	TCTACCCATTTCCTGAGGCCTGTGGA AATAAACCTTTATGTACTTAAAGT
1715	Table 3A	Hs.78944	L13463	29205	regulator of G-protein signalling 2, 24kD (RGS2), mRNA /cds=(32,667)	1	GTGTCCGTTATGAGTGCCAAAAATCT GTCTTGAAGGCAGCTACACTTTGA
1716	Table 3A	Hs 258850	L14542	29236	killer cell lectin-like receptor subfamily C, member 3 (KLRC3), transcript	1	CTGTGCAATGCTACATGTACGTGGAC TTATATCAGACCAGTGTGGATCTT
1717	Table 3A	Hs.181125	5 L21961	40522	IMAGE:4308973, mRNA, complete cds	1	AGTCCCCTGTCCTGGTCATCTATCAA GATAACAAGCGGCCCTCAGGGATC
1718	3 Table 3A	Hs 247824	4 NM_005214	29192	/cds=(24,725) 8 cytotoxic T-lymphocyte-associated protein 4 (CTLA4), mRNA /cds=(0,671)	1	GGGTCTATGTGAAAATGCCCCCAACA GAGCCAGAATGTGAAAAGCAATTT
1719	Table 3A	Hs 17988	1 L20298	38830	6 core-binding factor, beta subunit	1	CTTGCCTTAAGCTACCAGATTGCTTT TGCCACCATTGGCCATACTGTGTG
1720	Table 3A	Hs 83656	L20688	40404	(CBFB), transcript variant 2, mRNA Rho GDP dissociation inhibitor (GDI)	1	CCCCTGCCAGAGGGAGTTCTTCTTTT GTGAGAGACACTGTAAACGACACA
1721	Table 3A	Hs 89582	L20814	49313	beta (ARHGDIB), mRNA glutamate receptor, ionotropic, AMPA 2 (GRIA2), mRNA /cds=(160,2811)	1	TGCAGCCACTATTGTTAGTCTCTTGA TTCATAATGACTTAAGCACACTTG
1722	2 Table 3A	Hs 18112	5 L22009	34731	3 Homo sapiens, clone MGC.12849 IMAGE:4308973, mRNA, complete cds	1	TGACTATTACTGTCAGGCGTGGGACA CCAACACTGCGGTATTCGGCGGAG
1723	3 Table 3A	Hs 24571	0 L23332	40868	/cds=(24,725) heterogeneous nuclear ribonucleoprotein H1 (H) (HNRPH1),	1	TTTGAGACGCAATACCAATACTTAGG ATTTTGGTCTTGGTGTTTTGTATGA

1724	Table 3A	Hs 79117	L23320		mRNA for corticotrophin releasing	1	TCCTTCCAGGGCTTCTTTGTGTCTGT
1725	Table 3A	Hs 79117	L24498		factor receptor /cds=(226,1473) mRNA for corticotrophin releasing	1	GTTCTACTGTTTCCTCAATAGTGA CCATGTCCATCCCCACCTCCCAACC
1725	Table 3A			1	factor receptor /cds=(226,1473)	1	CGTGTCAGCTTTCACAGCATCAAG TGCCCTCAAGTAAAAGAAAAG
1726	db mining	Hs 80409	NM_021998		gadd45 gene, complete cds /cds=(2327,2824)	ļ	AGGGTTAATCATATTTGAAAACCA
1727	Table 3A	Hs.326801	L25124	1	DNA sequence from PAC 75N13 on chromosome Xq21.1. Contains ZNF6 like gene, ESTs, STSs and CpG islands /cds=(567,2882)	1	ATGCTACTTGGGAGAAAACTCTCACT AACTGTCTCACCGGGTTTCAAAGC
1728	Table 3A	Hs.199248	L25080	407696	prostaglandin E receptor 4 (subtype EP4) (PTGER4), mRNA	1	GGACTTTGCGAATATCAGAGACCTCA GACTCTTCACAGGGTCAGGACTCA
1729	Table 3A	Hs.199248	L25851	4406707	prostaglandin E receptor 4 (subtype EP4) (PTGER4), mRNA	1	AGCTCCCTGCAAGTCACATTTCCCAG TGAAACACTGAACTTATCAGAAAA
1730	Table 3A	Hs 241545	L25931	438638	Homo sapiens, Similar to hypothetical protein, clone MGC:1824	1	TTCCTTCAGGATGATCTAGAGCAGCA TGGAGCTGTTGGTAGAATATTAGT
1731	Table 3A	Hs.152931	L29218	632967	lamin B receptor (LBR), mRNA /cds=(75,1922)	1	GGGGAGGAAGGAAGGACATTAAATT CTTTCCCTGGTAATGAAAAGAGCCC
1732	Table 3A	Hs.73986	L26953	537529	CDC-like kinase 2 (CLK2), transcript variant phclk2, mRNA /cds=(129,1628)	1	GCCTTGTACATAATACTATTCCATCCA CACAGTTTCCACCCTCACCTGCC
1733	Table 3A	Hs.29877	L27071	951045	TXK tyrosine kinase (TXK), mRNA /cds=(86,1669)	1	AGCAAGATAGCCAAATGTGACATCAA GCTCCATTGTTTCGGAAATCCAGG
1734	Table 3A	Hs.73986	L42572		CDC-like kinase 2 (CLK2), transcript variant phclk2, mRNA /cds=(129,1628)	1	GCCGAGTGAGGTAACCAGGTGGCAT CTACCCCATGTTTTATAAGGAATTT
1735	Table 3A	Hs.78504	L29348	460282	inner membrane protein, mitochondrial (mitofilin) (IMMT), mRNA	1	TTCTTTCCATTTGCTATCATGTCAGTG AACGCCAGGAGTGCTTTCTTTGC
1736	Table 3A	Hs.1742	L33075	536843	IQ motif containing GTPase activating protein 1 (IQGAP1), mRNA /cds=(467,5440)	1	TGAATTTACTTCCTCCCAAGAGTTTG GACTGCCCGTCAGATTGTTTCTGC
1737	Table 3A	Hs.137232	L33842	602457	yq19a04.r1 cDNA, 5' end /clone=IMAGE.274063 /clone_end=5'	1	ACCCTCATTTCCAGGGGGAGCCTCA GGCCCCGAGATAAATGTGCTCCATG
1738	Table 3A	Hs.1697	L35249	522192	ATPase, H+ transporting, lysosomal (vacuolar proton pump), beta polypeptide, 56/58kD, isoform 2	1	TTCTCTGAGGGCTGGGGGTTGGGGG AGTCAGCATGATTATATTTTAATGT
1739	Table 3A	Hs.79107	L35263	603916	(ATP6B2), mRNA /cds=(25,1560) mitogen-activated protein kinase 14 (MAPK14), mRNA /cds=(362,1444)	1	ACTTGGCTGTAATCAGTTATGCCGTA TAGGATGTCAGACAATACCACTGG
1740	Table 3A	Hs.75217	L36870	685175	mitogen-activated protein kinase kinase 4 (MAP2K4), mRNA	1	TGGAGCTCAGTAACATAACTGCTTCT TGGAGCTTTGGAATATTTTATCCT
1741	Table 3A	Hs.83086	L38935	1008845	GT212 mRNA /cds=UNKNOWN	1	AAATTTCACAAGCAATACTTTGGACC ACTGGGGTTCAGGCCCCAAGAAAT
1742	Table 3A	Hs.180446	L38951	893287	importin beta subunit mRNA, complete cds /cds=(337,2967)	1	ACACACAAAACAGCAAACTTCAGGTA ACTATTTTGGATTGCAAACAGGAT
1743	Table 3A	Hs.41726	L40377	1160926	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8 (SERPINB8), mRNA /cds=(83,1207)	1	TCTTGCCTTAATTAACATTCCCTGTGA CCTAGTTGGTGCAGTGGCTTGAA
1744	Table 3A	Hs.155079	L42373	1000887		1	ACTTGCAGTTGTGTGGAAAACTGTTT TGTAATGAAAGATCTTCATTGGGG
1745	Table 3A	Hs.78504	L78440	1479978		1	TGTGATCTCTACTACTGTTGATTTTGC CCTCGGAGCAAACTGAATAAAGC
1746	Table 3A	Hs.80642	L47345	992562	signal transducer and activator of transcription 4 (STAT4), mRNA /cds=(81,2327)	1	TAGGAAATGTTTGACATCTGAAGCTC TCTTCACACTCCCGTGGCACTCCT
1747	Table 3A	Hs.75678	L49169	1082037	FBJ murine osteosarcoma viral oncogene homolog B	1	CGTCCCCTCTCCCCTTGGTTCTGCAC TGTTGCCAATAAAAAGCTCTTAAA
1748	Table 3A	Hs.80642	M11353	184092	signal transducer and activator of transcription 4 (STAT4), mRNA /cds=(81,2327)	1	GGGAGTGTTGTGACTGAAATGCTTGA AACCAAAGCTTCAGATAAACTTGC
1749	Table 3A	Hs.181307	M10901	183032	H3 histone, family 3A (H3F3A), mRNA /cds=(374,784)	1	AGGGGACAGAAATCAGGTATTGGCA GTTTTTCCATTTTCATTTGTGTGTG
1750	Table 3A	Hs.198253	M11124	188109	major histocompatibility complex, class II, DQ alpha 1 (HLA-DQA1), mRNA /cds=(43,810)	1	AGCCGCCCAGCTACCTAATTCCTCAG TAACATCGATCTAAAATCTCCATG
1751	Table 3A	Hs.181307	M12679	187911	H3 histone, family 3A (H3F3A), mRNA /cds=(374,784)	1	ACATGCAAGTACATGTTTTTAATGTTG TCTGTCTTCTGTGCTGTTCCTGT
1752	Table 3A	Hs.277477	M11717	184416	major histocompatibility complex, class I, C (HLA-C), mRNA /cds=(0,1100)	1	CCTGTGTGGGACTGAGATGCAGGAT TTCTTCACACCTCTCCTTTGTGACT
1753	Table 3A	Hs 277477	7 M12824	339426	major histocompatibility complex, class I, C (HLA-C), mRNA /cds=(0,1100)	1	GGCATCTGAATGTGTCTGCGTTCCTG TTAGCATAATGTGAGGAGGTGGAG
1754	Table 3A	Hs.85258	M14328	182113	CD8 antigen, alpha polypeptide (p32) (CD8A), mRNA /cds=(65,772)	1	CTGAGAGCCCAAACTGCTGTCCCAAA CATGCACTTCCTTGCTTAAGGTAT
1755	Table 3A	Hs.254105	5 M12824	339426		1	AAGCTCCCTGGAGCCCTGTTGGCAG CTCTAGCTTTTGCAGTCGTGTAATG

1756	Table 3A	Hs 122007	M12888		qn52b08.x1 cDNA, 3' end	1	AGCCCTCTTTCTCTCCACCCAATGCT
1757	Table 3A	Hs 82085	M14083	189566	/clone=IMAGE:1901847 /clone_end=3' serine (or cysteine) proteinase inhibitor,	1	GCTTTCTCCTGTTCATCCTGATGG TCCACAGGGGTGGTGTCAAATGCTAT
1731	Table 5/	110 02000			clade E (nexin, plasminogen activator inhibitor type 1), member 1		TGAAATTGTGTTGAATTGTATGCT
					(SERPINE1), mRNA /cds=(75,1283)	1	GCTAGATCCCCGGTGGTTTTGTGCTC
1758	Table 3A	Hs 254105	M15182		enolase 1, (alpha) (ENO1), mRNA /cds=(94,1398)		AAAATAAAAAGCCTCAGTGACCCA
1759	Table 3A	Hs 183868	M14648		glucuronidase, beta (GUSB), mRNA /cds=(26,1981)	1	GACTTCCACAGCAGCAGAACAAGTG CCTCCTGGACTGTTCACGGCAGACC
1760	Table 3A	Hs.1416	M15059	182447	Fc fragment of IgE, low affinity II, receptor for (CD23A) (FCER2), mRNA /cds=(213,1178)	1	TATCCCCAGCTCAGGTGGTGAGTCCT CCTGTCCAGCCTGCATCAATAAAA
1761	Table 3A	Hs.183868	M15330	186283	glucuronidase, beta (GUSB), mRNA /cds=(26,1981)	1	CTGGGTTTTGTGGTCATCTATTCTAG CAGGGAACACTAAAGGTGGAAATA
1762	Table 3A	Hs.126256	M15353	306486	interleukin 1, beta (IL1B), mRNA	1	AGCTATGGAATCAATTCAATTTGGAC TGGTGTGCTCTCTTTAAATCAAGT
1763	Table 3A	Hs.79306	M16342		/cds=(86,895) eukaryotic translation initiation factor	1	TGGCTCAAGTAGAAAAGCAGTCCCAT
1764	Table 3A	Hs.182447	M15796		4E (EIF4E), mRNA /cds=(18,671) heterogeneous nuclear	1	TCATATTAAGACAGTGTACAAAAC AGCTCTTGAAAGCAGCTTTGAGTTAG
1704	, able of t				ribonucleoprotein C (C1/C2) (HNRPC), transcript variant 1, mRNA		AAGTATGTGTTTACACCCTCACA
1765	Table 3A	Hs.80887	M16038	187268	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN), mRNA /cds=(297,1835)	1	AACCGGATATATACATAGCATGACAT TTCTTTGTGCTTTGGCTTACTTGT
1766	Table 3A	Hs.89476	M16336	180093	CD2 antigen (p50), sheep red blood	1	AGCCTATCTGCTTAAGAGACTCTGGA GTTTCTTATGTGCCCTGGTGGACA
1767	Table 3A	Hs.182447	M16342	188352	cell receptor (CD2), mRNA heterogeneous nuclear	1	AAAGTTGATACTGTGGGATTTTTGTG
					ribonucleoprotein C (C1/C2) (HNRPC), transcript variant 1, mRNA		AACAGCCTGATGTTTGGGACCTTT
1768	Table 3A	Hs.318720	M16660	184420	Homo sapiens, clone MGC:12387 IMAGE:3933019, mRNA, complete cds /cds=(63,863)	1	CTTCCTTAGCTCCTGTTCTTGGCCTG AAGCCTCACAGCTTTGATGGCAGT
1769	Table 3A	Hs.318720	M16942	188352	Homo sapiens, clone MGC:12387 IMAGE:3933019, mRNA, complete cds /cds=(63,863)	1	TTTGTGCTTCCCTTTACCTAAACTGTC CTGCCTCCCATGCATCTGTACCC
1770	Table 3A	Hs.318720	M16942	188437	Homo sapiens, clone MGC:12387 IMAGE:3933019, mRNA, complete cds	1	TTTGTGCTTCCCTTTACCTAAACTGTC CTGCCTCCCATGCATCTGTACCC
1771	Table 3A	Hs.308026	M16967	182411	/cds=(63,863) major histocompatibility complex, class II, DR beta 5 (HLA-DRB5), mRNA	1	CTTGTGGCTTCCTCAGCTCCTGCCCT TGGCCTGAAGTCCCAGCATTGATG
1772	Table 3A	Hs.75709	M16985	187282	/cds=(29,829) mannose-6-phosphate receptor (cation dependent) (M6PR), mRNA	1	ATTTGTTTGCATCCCTCCCCCACACCCCTGGTGTTTTAAAATGAAGAAAAA
1773	Table 3A	Hs.21858	M17783	183063	/cds=(170,1003) trinucleotide repeat containing 3	1	CATCCGACATAATCCTACAGGTGCTG
			M20137	186328	(TNRC3), mRNA /cds=(517,1356)	1	TGTTATTCATGGGGCAGATAAACA AGTGGGGTGGGGAGCATGTTCATTT
1774	Table 3A	Hs.694			multiple) (IL3), mRNA /cds=(9,467)		GTACCTCGAGTTTTAAACTGGTTCC CCTAAACCGTATGGCCTCCCGTGCAT
1775	Table 3A	Hs.308026	M20430	187182	major histocompatibility complex, class II, DR beta 5 (HLA-DRB5), mRNA /cds=(29,829)	1	CTGTATTCACCCTGTATGACAAAC
1776	Table 3A	Hs.82848	M20681	183684	selectin L (lymphocyte adhesion molecule 1) (SELL), mRNA	1	TTTCATCTCAGGCCTCCCTCAACCCC ACCACTTCTTTATAACTAGTCCT
1777	Table 3A	Hs.237519	M20867	183059	yz35c09.s1 cDNA, 3' end	1	GCATGGCTTAACCTGGTGATAAAAGC AGTTATTAAAAGTCTACGTTTTCC
1778	Table 3A	Hs.241392	M21121	339420	/clone=IMAGE:285040 /clone_end=3' small inducible cytokine A5 (RANTES)	1	AGCTTCCGCCGTCTCAACCCCTCACA
1779	literature	Hs.76422	M22430	190888	(SCYA5), mRNA /cds=(26,301) phospholipase A2, group IIA (platelets,	1	GGAGCTTACTGGCAAACATGAAAA TCTCCTCCACCTCAACTCCGTGCTTA
1770	neratoro	110.7 5 1==			synovial fluid) (PLA2G2A), nuclear gene encoding mitochondrial protein, mRNA /cds=(135,569)		ACCAAAGAAGCTGTACTCCGGGGG
1780	db mining	Hs 51299	M22538	986883		1	ACCCAAGGGACCTGGATTTGGTGTAC AAGCAGGCCTTTAATTTATATTGA
1781	Table 3A	Hs 82848	M25280	188555	selectin L (lymphocyte adhesion	1	AGCTCCTCTTCCTGGCTTCTTACTGA AAGGTTACCCTGTAACATGCAATT
1782	Table 3A	Hs.73798	M25393	190740	(glycosylation-inhibiting factor) (MIF),	1	GTCTACATCAACTATTACGACATGAA CGCGGCCAATGTGGGCTGGAACAA
1783	Table 3A	Hs.73798	M25639	188627	(glycosylation-inhibiting factor) (MIF),	1	CCACCCCAACCTTCTGGTGGGGAGA AATAAACGGTTTAGAGACAGCTCTG
1784	db mining	Hs 624	M26383	18464	mRNA /cds=(97,444) Interleukin 8 (IL8), mRNA /cds=(74,373)	1	GCCAAGGGCCAAGAGAATATCCGAA CTTTAATTTCAGGAATTGAATGGGT

Table 8

1785	Table 3A	Hs 303649	M26683	186289	small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je) (SCYA2), mRNA /cds=(53,352)	1	GAAATTGCTTTTCCTCTTGAACCACA GTTCTACCCCTGGGATGTTTTGAG
1786	Table 3A	Hs.82112	M26880	340067	interleukin 1 receptor, type I (IL1R1), mRNA /cds=(82,1791)	1	CCGGTTGTTAAAACTGGTTTAGCACA ATTTATATTTTCCCTCTCTTGCCT
1787	Table 3A	Hs.82112	M27492	180035	interleukin 1 receptor, type I (IL1R1), mRNA /cds=(82,1791)	1	ATTAAAGCACCAAATTCATGTACAGC ATGCATCACGGATCAATAGACTGT
1788	Table 3A	Hs.1309	M28170	862622	thymocyte antigen CD1a mRNA, complete cds /cds=(533,1516)	1	TAGCCGTACTTTGCTAACTGTGCTCC TCACTTCCTCTTCTTCATTGCAGT
1789	Table 3A	Hs 78146	M28526	189775	platelet/endothelial cell adhesion molecule (CD31 antigen) (PECAM1), mRNA /cds=(141,2357)	1	AGGCTAAGCTGCCGGTTCTTAAATCC ATCCTGCTAAGTTAATGTTGGGTA
1790	Table 3A	Hs 1309	M28825	186279	thymocyte antigen CD1a mRNA, complete cds /cds=(533,1516)	1	AATATATGCATCCCTGGTGAAGGATC TTGCCTGCATGAAACATGTTCTCA
1791	Table 3A	Hs.1722	M28983	186365	interleukin 1, alpha (IL1A), mRNA /cds=(36,851)	1	ACCTGGGCATTCTTGTTTCATTCAATT CCACCTGCAATCAAGTCCTACAA
1792	Table 3A	Hs.237868	M29064	337452	interleukin 7 receptor (IL7R), mRNA /cds=(22,1401)	1	CTCCCTCACAGCACAGAGAAGACAAA ATTAGCAAAACCCCACTACACAGT
1793	Table 3A	Hs 237868	M29696	180259	interleukin 7 receptor (IL7R), mRNA /cds=(22,1401)	1	GTTCAGTGGCACTCAACATGAGTCAA GAGCATCCTGCTTCTACCATGTGG
1794	Table 3A	Hs.89538	M30142	181464	cholesteryl ester transfer protein, plasma (CETP), mRNA	1	CTTGAGCTAGAAGTCTCCAAGGAGGT CGGGATGGGGCTTGTAGCAGAAGG
1795	Table 3A	Hs.89538	M30185	179039	cholesteryl ester transfer protein, plasma (CETP), mRNA	1	CTCCCAACTCCTCCCTATCCTAAAGG CCCACTGGCATTAAAGTGCTGTAT
1796	db mining	Hs.270833	M30704	339994	amphiregulin (schwannoma-derived	1	TCGGTCCTCTTTCCAGTGGATCATAA GACAATGGACCCTTTTTGTTATGA
1797	Table 3A	Hs.29352	M31165	184485	growth factor) (AREG), mRNA tumor necrosis factor, alpha-induced	1	AACACACAGTGTTTATGTTGGAATCT TTTGGAACTCCTTTGATCTCACTG
1798	Table 3A	Hs.149923	M31210	181948	protein 6 (TNFAIP6), mRNA X-box binding protein 1 (XBP1), mRNA	1	GGGGCTCTTTCCCTCATGTATACTTC AAGTAAGATCAAGAATCTTTTGTG
1799	Table 3A	Hs.1012	M31452	190501	/cds=(48,833) complement component 4-binding	1	TCATCCTCTGTGTGGCTCATGTTTTT GCTTTTCAACACACAAAGCACAAA
1800	Table 3A	Hs.101047	M31523	339477	protein, alpha (C4BPA), mRNA transcription factor (E2A) mRNA,	1	TGGATGATTGGGACTTTAAAACGACC CTCTTTCAGGTGGATTCAGAGACC
1801	db mining	Hs.149923	M31627	182473	complete cds /cds=(30,1994) X-box binding protein 1 (XBP1), mRNA	1	TGTAGCTTCTGAAAGGTGCTTTCTCC ATTTATTTAAAAAACTACCCATGCA
1802	Table 3A	Hs.78864	M31932	188194	/cds=(48,833) Fc fragment of IgG, low affinity Ila, receptor for (CD32) (FCGR2A), mRNA	1	TGTAGCAACATGAGAAACGCTTATGT TACAGGTTACATGAGAGCAATCAT
1803	Table 3A	Hs.73931	M32011	189267	/cds=(11,958) major histocompatibility complex, class II, DQ beta 1 (HLA-DQB1), mRNA	1	CTGATGGCTGTGACCCTGCTTCCTGC ACTGACCCAGAGCCTCTGCCTGTG
1804	Table 3A	Hs.256278	M32315	189185	/cds=(57,842) tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B), mRNA /cds=(89,1474)	1	TGTGTGTTGATCCCAAGACAATGAAA GTTTGCACTGTATGCTGGACGGCA
1805	Table 3A	Hs.73931	M32577	183628		1	CTCTCCTCAGACTGCTCAAGAGAAGC ACATGAAAACCATTACCTGACTTT
1806	Table 3A	Hs.75765	M33336	1526989	GRO2 oncogene (GRO2), mRNA /cds=(74,397)	1	GCCAGTAAGATCAATGTGACGGCAG GGAAATGTATGTGTGTCTATTTTGT
1807	Table 3A	Hs.198253	M33906	184194	major histocompatibility complex, class II, DQ alpha 1 (HLA-DQA1), mRNA /cds=(43,810)	1	GCAACAATGAAGTTAATGGATACCCT CTGCCTTTGGCTCAGAAATGTTAT
1808	Table 3A	Hs 87773	M34181	189982	protein kinase, cAMP-dependent, catalytic, beta (PRKACB), mRNA /cds=(47,1102)	1	TGTCTTTCGGTTATCAAGTGTTTCTG CATGGTAATGTCATGTAAATGCTG
1809	Table 3A	Hs 26045	M34668	190738	protein tyrosine phosphatase, receptor type, A (PTPRA), mRNA	1	TATCATGGGGAGTAATAGGACCAGAG CGGTATCTCTGGCACCACACTAGC
1810	Table 3A	Hs.119663	M34671	180152	CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EJ32 and G344)	1	TGATCTTGGCTGTATTTAATGGCATA GGCTGACTTTTGCAGATGGAGGAA
1811	Table 3A	Hs.250811	M35416	190851	(CD59), mRNA /cds=(29,415) v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein) (RALB), mRNA /cds=(170,790)	1	AGTACTGAGAAAAATCCCTTCAGCTC TAAGAACACTGAAAAATCCACCGA
1812	Table 3A	Hs.87149	M35999	183532	integrin, beta 3 (platelet glycoprotein Illa, antigen CD61) (ITGB3), mRNA /cds=(16,2382)	1	ACTTTGCACACATTTGCATCCACATAT TAGGGAAGGAATAAGTAGCTGCA
1813	Table 3A	Hs.75765	M36820	183628	GRO2 oncogene (GRO2), mRNA /cds=(74,397)	1	ATGCAGTGTTTCCCTCTGTGTTAGAG CAGAGAGGTTTCGATATTTATTGA
1814	Table 3A	Hs 89690	M36821	183632	GRO3 oncogene (GRO3), mRNA /cds=(77,397)	1	TGCTGAAGTTTCCCTTAGACATTTTAT GTCTTGCTTGTAGGGCATAATGC
1815	Table 3A	Hs 82212	M37033	184059	CD53 antigen (CD53), mRNA /cds=(93,752)	1	CACTGGACCATTGTCACAACCCTCTG TTTCTCTTTGACTAAGTGCCCTGG

Table 8

1816	Table 3A	Hs.119192	M37583		H2A histone family, member Z (H2AFZ), mRNA /cds=(106,492)	1	AAGTGTTACTGTGGCTTCAAAGAAGC TATTGATTCTGAAGTAGTGGGTTT
1817	Table 3A	Hs.173894	NM_000757	4503074	macrophage-specific colony-stimulating factor (CSF-1) mRNA, complete cds	1	GCTGCTTATATATTTAATAATAAAAGA AGTGCACAAGCTGCCGTTGACGT
1818	Table 3A	Hs.119192	M37583		/cds=(105,1769) H2A histone family, member Z	1	AACAAACATTTGGTTTTGTTCAGACCT TATTTCCACTCTGGTGGATAAGT
1819	Table 3A	Hs.315366	M55284	189988	(H2AFZ), mRNA /cds=(106,492) protein kınase C, eta (PRKCH), mRNA /cds=(166,2214)	1	GAGAGAGGCACGAGAACCCAAAGG AATAGAGATTCTCCAGGAATTTCCT
1820	Table 3A	Hs 315366	M55284	189988	protein kinase C, eta (PRKCH), mRNA /cds=(166,2214)	1	TTCCCAGCATCAGCCTTAGAACAAGA ACCTTACCTTCAAGGAGCAAGTGA
1821	Table 3A	Hs 171862	M55543	829176	guanylate binding protein 2, interferon- inducible (GBP2), mRNA	1	CTGTCCAGCTCCCTCTCCCCAAGAAA CAACATGAATGAGCAACTTCAGAG
1822	Table 3A	Hs.2055	M58028	340071	ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing) (UBE1), mRNA /cds=(32,3208)	1	CTGTAACGACGAGAGCGGCGAGGAT GTCGAGGTTCCCTATGTCCGATACA
1823	Table 3A	NA	M55674	189870	one single clone, artifact ?	1	ACCTAGTCATCAGGACACTGAGCCAG GGCTGCAACCACTCCATGAGTTTG
1824	Table 3A	Hs 72918	M57506	184505	small inducible cytokine A1 (I-309, homologous to mouse Tca-3) (SCYA1), mRNA /cds=(72,362)	1	CCCCAACCTCTGGGCTCTTGGATTT CAGAGTGAAAACTTGATGGCATTG
1825	Table 3A	Hs.193717	M57627	186270	interleukin 10 (IL10), mRNA /cds=(30,566)	1	TCAATTCCTCTGGGAATGTTACATTG TTTGTCTGTCTTCATAGCAGATTT
1826	Table 3A	Hs.1051	M57888	183154	granzyme B (granzyme 2, cytotoxic T- lymphocyte-associated serine esterase 1) (GZMB), mRNA /cds=(33,776)	1	ACCAGTTTCTTTCCCTTCTAGATCAC CCTGTTCTGAAGCCAGCCTCTCTC
1827	Table 3A	Hs.2055	M58028	189177		1	CTACCTGAACCCCTCTTGCCACTGCC TTCTACCTTGTTTGAAACCTGAAT
1828	Table 3A	Hs.83428	M58597	182070	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	1	AACTCGAGACCTTTTCAACTTGGCTT CCTTTCTTGGTTCATAAATGAATT
1829	Table 3A	Hs.83428	M58603	186496	(p105) (NFKB1), mRNA nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	1	AGCTGCTGCTGGATCACAGCTGCTTT CTGTTGTCATTGCTGTTGTCCCTC
1830	Table 3A	Hs.265829	M59465	177865	alpha 3 subunit of VLA-3 receptor)	1	GGCTGTGTCCTAAGGCCCATTTGAGA AGCTGAGGCTAGTTCCAAAAACCT
1831	Table 3A	Hs.2175	M59820	183048	(ITGA3), transcript variant a, mRNA colony stimulating factor 3 receptor (granulocyte) (CSF3R), mRNA /cds=(169,2679)	1	ATCCAGCCCCACCCAATGGCCTTTTG TGCTTGTTTCCTATAACTTCAGTA
1832	Table 3A	Hs.265829	M60278	183866		1	CCTTCTTTGTATATAGGCTTCTCACC GCGACCAATAAACAGCTCCCAGTT
1833	Table 3A	Hs.799	M60724	189507		1	AAAACGATGAAGGTATGCTGTCATGG TCCTTTCTGGAAGTTTCTGGTGCC
1834	Table 3A	Hs.86858	M60626	182662	ribosomal protein S6 kinase, 70kD, polypeptide 1 (RPS6KB1), mRNA /cds=(27,1604)	1	AATGCGAAATTATTGGTTGGTGTGAA GAAAGCCAGACAACTTCTGTTTCT
1835	Table 3A	Hs.86858	M61906	189424		1	CTGTGGCTCGTTTGAGGGATTGGGG TGGACCTGGGGTTTATTTTCAGTAA
1836	Table 3A	Hs.6241	M61199	181122	P13-kınase associated p85 mRNA sequence /cds=UNKNOWN	1	GCTTCCCCACCCCAGTTTTTGTTGCT TGAAAATATTGTTGTCCCGGATTT
1837	Table 3A	Hs.6241	M61906	190734	P13-kinase associated p85 mRNA sequence /cds=UNKNOWN	1	TGGACTGTTTTGTTGGGCAGTGCCTG ATAAGCTTCAAAGCTGCTTTATTC
1838	Table 3A	Hs 50651	M63180	339679	Janus kinase 1 (a protein tyrosine kinase) (JAK1), mRNA /cds=(75,3503)	1	CCTGCCGTGCCCACCTAACTGTCCA GATGAGGTTTATCAGCTTATGAGAA
1839	Table 3A	Hs.84318	M63488	337488		1	CGAGCTGAGAAGCGGTCATGAGCAC CTGGGGATTTTAGTAAGTGTGTCTT
1840	Table 3A	Hs.50651	M64174	190446	Janus kinase 1 (a protein tyrosine kinase) (JAK1), mRNA /cds=(75,3503)	1	ACCATCCAATCGGACAAGCTTTCAGA ACCTTATTGAAGGATTTGAAGCAC
1841	Table 3A	Hs.82159	M64992	178996		1	TGCTGATGAACCTGCAGAAAAGGCTG ATGAACCAATGGAACATTAAGTGA
1842	Table 3A	Hs.11482	M69043	187290	splicing factor, arginine/serine-rich 11 (SFRS11), mRNA /cds=(83,1537)	1	TCTTATGCACACGGTGATTTCATGTT ATATATGCAAAGTAGGCAACTGTT
1843	Table 3A	Hs 155160	M72709	179073	Homo sapiens, Similar to splicing factor, arginine/serine-rich 2 (SC-35), clone MGC:2622 IMAGE:3501687,	1	AACATAGGAGTGGATTCCTGCCCCAA CCAAACCGCATTCGTGTGGATTTT
1844	Table 3A	Hs.1117	M73047	339879	mRNA, complete cds /cds=(30,878) tripeptidyl peptidase II (TPP2), mRNA /cds=(23,3772)	1	AATAAATTTGCAAAACCAAGATCACA GTACACCATATGCACTCTGGTACC

1845	Table 3A	Hs 178112	M73547	190161	polyposis locus (DP1 gene) mRNA,	1	AAATGACCTCATGTTGTGGTTTAAAC
					complete cds /cds=(82,639)	_	AGCAACTGCACCCACTAGCACAGC
1846	Table 3A	Hs 11482	M74002		splicing factor, arginine/serine-rich 11	1	TGTGCAGTAGAAACAAAGTAGGCTA
					(SFRS11), mRNA /cds=(83,1537)		CAGTCTGTGCCATGTTGATGTACA
1847	Table 3A	Hs 811	M74525		ubiquitin-conjugating enzyme E2B	1	CTGTTTATTCTGGGAAATGTTTTAATG
					(RAD6 homolog) (UBE2B), mRNA		CCAGGGCCTGCTGAGTTGCTTCT
1848	Table 3A	Hs.172766	M80359		MAP/microtubule affinity-regulating	1	CCTTAAGACCAGTTCATCCCTGTGGT
					kinase 3 (MARK3), mRNA		AGGTTTACAGTTCATGCCTGTGGT
1849	Table 3A	Hs.153179	M81601	339442	fatty acid binding protein 5 (psoriasis-	1	TCATCACTTTGGACAGGAGTTAATTA
					associated) (FABP5), mRNA		AGAGAATGACCAAGCTCAGTTCAA AGTCTGCCTAAATAGGTAGCTTAAAC
1850	Table 3A	Hs 119537	M88108	189499	GAP-associated tyrosine	1	TTATGTCAAAATGTCTGCAGCAGT
					phosphoprotein p62 (Sam68) (SAM68),		TIATGTCAAAATGTCTGCAGCAGT
			1400057	470044	mRNA /cds=(106,1437)	1	CTGGCCTCCAGTGCCTTCCCCCGTG
1851	Table 3A	Hs.89575	M89957	179311	CD79B antigen (immunoglobulin-	1	GAATAAACGGTGTGTCCTGAGAAAC
					associated beta) (CD79B), transcript variant 1, mRNA /cds=(94,783)		GAATAAACGGTGTGTGTGACAAAA
4050	Table 24	Un 101067	M90356	170575	BTF3 protein homologue gene,	1	AGCTAATTAAGCTGCAGAACGTGGGA
1852	Table 3A	Hs.181967	Managa	119313	complete cds	•	AATAAAGTTCGAAACAAAGGTTAA
1853	Table 3A	Hs 82127	M90391	4153827	putative IL-16 protein precursor,	1	GGACAGGTGTGCCGACAGAAGGAAC
1000	Table 3A	NS 02121	10190391	4100027	mRNA, complete cds /cds=(303,2198)	•	CAGCGTGTATATGAGGGTATCAAAT
1854	Table 3A	Hs.73722	M92444	183779	apurinic/apyrimidinic endonuclease	1	CCCTTCGTGGGGCTACACATTCTCTT
1004	Table on	110.70122	MOZ	100110	(HAP1) gene, complete cds		CCTCATATTTTCATGCACACAAGT
1855	Table 3A	Hs.145279	M93651	338038	SET translocation (myeloid leukemia-	1	TTCTGCACAGGTCTCTGTTTAGTAAA
1000	Table of t	110.1102.10			associated) (SET), mRNA /cds=(3,836)		TACATCACTGTATACCGATCAGGA
1856	Table 3A	Hs.7647	M94046	187393	MYC-associated zinc finger protein	1	CACCCTCCACCCCTTCCTTTTGCGCG
					(purine-binding transcription factor)		GACCCCATTACAATAAATTTTAAA
					(MAZ), mRNA /cds=(91,1584)		
1857	Table 3A	Hs.153179	M95585	184223	fatty acid binding protein 5 (psoriasis-	1	CATGCAGCTATTTCAAAGTGTGTTGG
					associated) (FABP5), mRNA		ATTAATTAGGATCATCCCTTTGGT
1858	Table 3A	Hs.250692	M95585	337810	hepatic leukemia factor (HLF) mRNA,	1	TGGAGAATTGTGGAAGGATTGTAACA
					complete cds /cds=(322,1209)		TGGACCATCCAAATTTATGGCCGT
1859	Table 3A	Hs.74592	M96982	338262		1	TTCACGGGATGCACCCAAAGTGTGTAC
					protein 1 (binds to nuclear		CCCGTAAGCATGAAACCAGTGTTT
					matrix/scaffold-associating DNA's)		
			140000	404075	(SATB1), mRNA /cds=(214,2505)	1	TCTGTCCATCAGTGCATGACGTTTAA
1860	Table 3A	Hs.296381	M96995	181975	growth factor receptor-bound protein 2	1	GGCCACGTATAGTCCTAGCTGACG
4004	T-1-1-04	U- 74500	1407050	104422	(GRB2), mRNA /cds=(78,731)	1	TCCTATAATTATTTCTGTAGCACTCCA
1861	Table 3A	Hs.74592	M97856	184432	special AT-rich sequence binding protein 1 (binds to nuclear	'	CACTGATCTTTGGAAACTTGCCC
					matrix/scaffold-associating DNA's)		ONO CONTO CONTO COSTO
					(SATB1), mRNA /cds=(214,2505)		
1862	Table 3A	Hs.243886	M07035	2281070	nuclear autoantigenic sperm protein	1	GGGACACTGGAGGCTGGAGCTACAG
1002	Table 3A	115.243000	19197 300	2201070	(histone-binding) (NASP), mRNA	•	TTGAAAGCACTGCATGTTAAGAGGG
					/cds=(85,2448)		
1863	Table 3A	Hs.21486	M98399	180112	signal transducer and activator of	1	TGCTACCACAACTATATTATCATGCAA
					transcription 1, 91kD (STAT1), mRNA		ATGCTGTATTCTTCTTTGGTGGA
					/cds=(196,2448)		
1864	Table 3A	Hs.75613	N27575	1142056	CD36 antigen (collagen type I receptor,	1	GCAACTTACGCTTGGCATCTTCAGAA
					thrombospondin receptor) (CD36),		TGCTTTTCTAGCATTAAGAGATGT
					mRNA /cds=(132,1550)		
1865	Table 3A	Hs.198427	N25486	1139799	hexokinase 2 (HK2), mRNA	1	TTTACAAGAATTGTCCATGTGCTTCC
			1100577	4074000	/cds=(1490,4243)	4	CTAGGCTGAGCTGGCATTGGTCTG AAAACTTCCCACCCTACTTTTCCAAG
1866	Table 3A	Hs.198427	N99577	1271009	• • •	1	AGTGCCAGTTGGATTCTGAATCTG
4007	Table 24	Ue 72065	N38843	11/7070	/cds=(1490,4243) splicing factor, arginine/serine-rich 2	1	TAGACCAATTCTCTGATCTCGAGTTG
1867	Table 3A	Hs.73965	N28843	114/0/9	(SFRS2), mRNA /cds=(155,820)	•	TTTTTGTTTGGATACAGCCCTTTT
1868	Table 3A	Hs.5122	N31700	1152099	602293015F1 cDNA, 5' end	1	AACATTCTACATAGCACAGGAGCTTA
1000	I able on	113.5122	1451700	1102000	/clone=iMAGE:4387778 /clone_end=5'	·	AGAGTGGCATTATCTTCTCGCCTT
1869	Table 3A	Hs 66151	N3426	1155403	mRNA; cDNA DKFZp434A115 (from	1	AGATACGCAGACATTGTGGCATCTGG
1000	Table of	110 00101	110.20	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	clone DKFZp434A115)		GTAGAAGAATACTGTATTGTGTGT
1870	Table 3A	Hs 73965	Z22642	296907	splicing factor, arginine/serine-rich 2	1	TTTGACCAGAAGCCCTTAGTAAGTAC
					(SFRS2), mRNA /cds=(155,820)		GTGCCTGAAACTGAAACCATGTGC
1871	Table 3A	Hs.166563	L14922	307337	DNA-binding protein (PO-GA) mRNA,	1	ACACCTGGCTTGGAGTCAGATTTAGT
					complete cds /cds=(393,3836)		TAACAATAATGAGCCTGGAGCAGT
1872	literature	Hs.75772	M10901	183032	nuclear receptor subfamily 3, group C,	1	TCTAATAGCGGGTTACTTTCACATAC
					member 1 (NR3C1), mRNA		AGCCCTCCCCAGCAGTTGAATGA
					/cds=(132,2465)		0701110707770070707070
1873	literature	Hs.74561	NM_000014	6226959	•	1	CTGAAAAGTGCTTTGCTGGAGTCCTG
					/cds=(43,4467)		TTCTCTGAGCTCCACAGAAGACAC
1874	db mining	Hs.172670	NM_000020	4557242	activin A receptor type II-like 1	1	AAGCCTAAAGTGATTCAATAGCCCAG
	T		AIR# 000000	45530.5	(ACVRL1), mRNA /cds=(282,1793)	4	GAGCACCTGATTCCTTTCTGCCTG
1875	Table 3A	Hs.1217	NM_000022	455/248	adenosine deaminase (ADA), mRNA	1	TGGGCATGGTTGAATCTGAAACCCTC CTTCTGTGGCAACTTGTACTGAAA
1076	Table 3A	Hs.99931	NM_000023	4506910	/cds=(95,1186) sarcoglycan, alpha (50kD dystrophin-	1	GGGGTGGGGTGGGGTGAGAGTGTGT
1876	i abic SA	113.22231	.4141_000023	7000010	associated glycoprotein) (SGCA),	•	GGAGTAAGGACATTCAGAATAAATA
					mRNA /cds=(11,1174)		

Table 8

1877	literature	Hs.207776	NM_000027		aspartylglucosaminidase (AGA), mRNA /cds=(170,1210)	1	AGAAGTTGTGCGCGTGCTTTCTCAGC AGCATTTTTCCTTCAAAATCATCT
1878	Table 3A	Hs.159546	NM_000033	7262392	ATP-binding cassette, sub-family D (ALD), member 1 (ABCD1), mRNA	1	CTTGCCAGCCAGGAGTGCGGACACC ATGTTCCCAGCTCAGTGCCAAAGAG
1879	Table 3A	Hs 75081	NM_000038	4557318	/cds=(386,2623) adenomatosis polyposis coli (APC), mRNA /cds=(38,8569)	1	ATTTGGGGAGAGAAAACCTTTTTAAG CATGGTGGGGCACTCAGATAGGAG
1880	literature	Hs.36820	NM_000057	4557364	Bloom syndrome (BLM), mRNA /cds=(74,4327)	1	ACCCTCTTTCTTGTTTGTCAGCATCT GACCATCTGTGACTATAAAGCTGT
1881	literature	Hs 34012	NM_000059	4502450	breast cancer 2, early onset (BRCA2), mRNA /cds=(228,10484)	1	TGGTCATCCAAACTCAAACTTGAGAA AATATCTTGCTTTCAAATTGACAC
1882	Table 3A	Hs.159494	NM_000061	4557376	Bruton agammaglobulinemia tyrosine kinase (BTK), mRNA /cds=(163,2142)	1	ACCGAATTTGGCAAGAATGAAATGGT GTCATAAAGATGGGAGGGGAG
1883	Table 3A	Hs 1282	NM_000065	4559405	complement component 6 (C6), mRNA /cds=(155,2959)	1	AGCCTGTGACATTAAGCATTCTCACA ATTAGAAATAAGAATAAAACCCAT
1884	Table 3A	Hs 2259	NM_000073		CD3G antigen, gamma polypeptide (TiT3 complex) (CD3G), mRNA	1	AAAAATAAAAACAAATACTGTGTTTCA GAAGCGCCACCTATTGGGGAAAA
1885	Table 3A	Hs 36508	NM_000081	4502838	Chediak-Higashi syndrome 1 (CHS1), mRNA /cds=(189,11594)	1	TTATCACAAGCTCTGTTACCTTTATAT ACGCTGCCTCTTCAATTTGGAAA
1886	literature	Hs.32967	NM_000082	4557466	Cockayne syndrome 1 (classical) (CKN1), mRNA /cds=(36,1226)	1	GCAGAAAATATCCTGGCAGGGAATCT GGCTTAAACATGAAATGCTGTAAT
1887	Table 3A	Hs.154654	NM_000104	13325059	cytochrome P450, subfamily I (dioxin- inducible), polypeptide 1 (glaucoma 3, primary infantile) (CYP1B1), mRNA /cds=(372,2003)	1	TGTGTGCATAATAGCTACAGTGCATA GTTGTAGACAAAGTACATTCTGGG
1888	literature	Hs.77602	NM_000107	4557514	damage-specific DNA binding protein 2 (48kD) (DDB2), mRNA /cds=(175,1458)	1	TCTCAGTGGGTGGTAGCAGAGGGAT CAAGCAGTTATTTGATTTG
1889	Table 3A	Hs.74635	NM_000108	5016092	dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid	1	GTCTATTTACGGAACTCAAATACGTG GGCATTCAAATGTATTACAGTGGG
1890	Table 3A	Hs.1602	NM_000110	4557874	dehydrogenase complex) (DLD), mRNA dihydropyrimidine dehydrogenase	1	TGCACTTTTAGAAATGCATATTTGCCA
1891	Table 3A	Hs.2985	NM_000117	4557552	(DPYD), mRNA /cds=(101,3178) emerin (Emery-Dreifuss muscular	1	CAAAACCTGTATTACTGAATAAT GGGAGGGGATTAACCAAAGGCCACC
1892	Table 3A	Hs.76753	NM_000118	4557554	• ,	1	CTGACTTTGTTTTTGTGGACACACA GCCTGCCCCTGTGTATTCACCACCAA
1893	Table 3A	Hs.77929	NM_000122	4557562	rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing)	1	TAAATCAGACCATGAAACCTGAAA AGGTGTATTTATGTTACCGTTCTGAAT AAACAGAATGGACCATTGAACCA
1894	literature	Hs.48576	NM_000123	4503600	(ERCC3), mRNA /cds=(95,2443) excision repair cross-complementing rodent repair deficiency, complementation group 5 (xeroderma pigmentosum, complementation group G (Cockayne syndrome)) (ERCC5), mRNA /cds=(197,3757)	1	TGTAATGAATTTGTCGCAAAGACGTA ATAAAATTAACTGGTGGCACGGTC
1895	literature	Hs.99924	NM_000124	4557564	excision repair cross-complementing rodent repair deficiency, complementation group 6 (ERCC6),	1	TGTCAATGGAAGTTGGCTGCACTTGA TGTTTGTTTGCATGATGTCTACCT
1896	db mining	Hs.1657	NM_000125	4503602	estrogen receptor 1 (ESR1), mRNA /cds=(360,2147)	1	TCGAGCACCTGTAAACAATTTTCTCA ACCTATTTGATGTTCAAATAAAGA
1897	Table 3A	Hs.80424	NM_000129	9961355	coagulation factor XIII, A1 polypeptide (F13A1), mRNA /cds=(101,2299)	1	AACTTTACTAAGTAATCTCACAGCATT TGCCAAGTCTCCCAATATCCAAT
1898	literature	Hs.284153	NM_000135	4503654	Fanconi anemia, complementation group A (FANCA), mRNA	1	TAAGATCTTTAAACTGCTTTATACACT GTCACGTGGCTTCATCAGCTGTG
1899	literature	Hs 37953	NM_000136	4557588	Fanconi anemia, complementation group C (FANCC), mRNA /cds=(255,1928)	1	AAAACCACTACCCTCAGAGAGAGCCA AAAATACAGAAGAGGCGGAGAGCG
1900	Table 3A	Hs 1437	NM_000152	11496988	· · · · · · · · · · · · · · · · · · ·	1	CGAGCAAGCCTGGGAACTCAGGAAA ATTCACAGGACTTGGGAGATTCTAA
1901	Table 3A	Hs 273	NM_000153	4557612	galactosylceramidase (Krabbe disease) (GALC), mRNA /cds=(263,2272)	1	GGCTTAGCTACAGTGAAGTTTTGCAT TGCTTTTGAAGACAAGAAAAGTGC
1902	Table 3A	Hs.86724	NM_000161	4503948	GTP cyclohydrolase 1 (dopa- responsive dystonia) (GCH1), mRNA	1	ACTTCAAAATTACCTTTTCATATCCAT GATCTTGAGTCCATTTGGGGGAT
1903	Table 3A	Hs 1466	NM_000167	4504006		1	CAAACACTTTTGGGCCAGGATTTGAG TCTCTGCATGACATATACTTGATT
1904	Table 3A	Hs 1144	NM_000174	4504076	glycoprotein IX (platelet) (GP9), mRNA /cds=(222,755)	1	CAGACTCCACCAAGCCTGGTCAGCC CAAACCACCAGAAGCCCAGAATAAA
1905	Table 3A	Hs.75772	NM_000176	4504132		1	AGTGCAGAATCTCATAGGTTGCCAAT AATACACTAATTCCTTTCTATCCT

Table 8

1906	literature	Hs.3248	NM_000179		mutS (E coli) homolog 6 (MSH6), mRNA /cds=(87,4169)	1	AGACTGACTACATTGGAAGCTTTGAG TTGACTTCTGACCAAAGGTGGTAA
1907	Table 3A	Hs 183868	NM_000181	4504222	glucuronidase, beta (GUSB), mRNA /cds=(26,1981)	1	CTGGGTTTTGTGGTCATCTATTCTAG CAGGGAACACTAAAGGTGGAAATA
1908	literature	Hs 75860	NM_000182	4504324	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	1	GTGGTGAGGGCAGTTCTGCACCCAG CCAAACACATAACAATAAAAACCAA
1909	Table 3A	Hs.146812	NM_000183	4504326	(HADHA), mRNA /cds=(27,2318) hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein, beta subunit	1	TCTGTGTCCTAAAGATGTGTTCTCTAT AAAATACAAACCAACGTGCCTAA
1910	Table 3A	Hs 198427	NM_000189	4504392	(HADHB), mRNA /cds=(46,1470) hexokinase 2 (HK2), mRNA /cds=(1490,4243)	1	CTAGTCATAGAAATACCTCATTCGCC TGTGGGAAGAGAAGGGAAGCCTCT
1911	Table 3A	Hs 83951	NM_000195	4504484	Hermansky-Pudlak syndrome (HPS), mRNA /cds=(206,2308)	1	AGCAGCGGCTGGATGTGATATGTCTA GTTTAACCAGTCCCCTTGATCTTT
1912	Table 3A	Hs.168383	NM_000201	4557877	intercellular adhesion molecule 1 (CD54), rhinovirus receptor (ICAM1),	1	TATTGGAGGACTCCCTCCCAGCTTTG GAAGGGTCATCCGCGTGTGTGTGT
1913	Table 3A	Hs.172458	NM_000202	5360215	mRNA /cds=(57,1655) iduronate 2-sulfatase (Hunter syndrome) (IDS), transcript variant 1, mRNA /cds=(331,1983)	1	ATACAAAGCAAACAAACTCAAGTTAT GTCATACCTTTGGATACGAAGACC
1914	Table 3A	Hs.238893	NM_000206	4557881	od15g01.s1 cDNA /clone=IMAGE:1368048	1	ATCTACCCTCCGATTGTTCCTGAACC GATGAGAAATAAAGTTTCTGTTGA
1915	Table 3A	Hs.83968	NM_000211	4557885	integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit) (ITGB2), mRNA	1	CATGGAGACTTGAGGAGGGCTTGAG GTTGGTGAGGTTAGGTGCGTGTTTC
1916	literature	Hs.99877	NM_000215	4557680		1	GCCCAAAGAAGCAAGGAACCAAATTT AAGACTCTCGCATCTTCCCAACCC
1917	literature	Hs.1770	NM_000234	4557718	ligase I, DNA, ATP-dependent (LIG1), mRNA /cds=(120,2879)	1	CCGGAGTCTGGGATTCATCCCGTCAT TTCTTTCAATAAATAATTATTGGA
1918	db mining	Hs.3076	NM_000246	4557748	mRNA /cds=(138,3530)	1	GCAATGGCAGCCTTGGCAAACGCTA AATGAAAATCGTGACAACACTTGTG
1919	literature	Hs.57301	NM_000249	4557756	mutL (E. coli) homolog 1 (colon cancer, nonpolyposis type 2) (MLH1), mRNA /cds=(21,2291)	1	AGTGTTGGTAGCACTTAAGACTTATA CTTGCCTTCTGATAGTATTCCTTT
1920	literature	Hs.78934	NM_000251	4557760	mutS (E. coli) homolog 2 (colon cancer, nonpolyposis type 1) (MSH2), mRNA /cds=(68,2872)	1	AACTGAGGACTGTTTGCAATTGACAT AGGCAATAATAAGTGATGTGCTGA
1921	Table 3A	Hs.75514	NM_000270	4557800		1	GGGCTCAGTTCTGCCTTATCTAAATC ACCAGAGACCAAACAAGGACTAAT
1922	Table 3A	Hs.76918	NM_000271	4557802	Niemann-Pick disease, type C1 (NPC1), mRNA /cds=(123,3959)	1	GGCATGAAATGAGGGACAAAGAAAG CATCTCGTAGGTGTGTCTACTGGGT
1923	Table 3A	Hs.1023	NM_000284	4505684	pyruvate dehydrogenase (lipoamide) alpha 1 (PDHA1), mRNA	1	TCTTGGAAACTTCCATTAAGTGTGTA GATTGAGCAGGTAGTAATTGCATG
1924	Table 3A	Hs.78771	NM_000291	4505762	phosphoglycerate kinase 1 (PGK1), mRNA /cds=(79,1332)	1	ACTACTCAGCATGGAAACAAGATGAA ATTCCATTTGTAGGTAGTGAGACA
1925	Table 3A	Hs.196177	NM_000294	4505784	(testis) (PHKG2), mRNA	1	CACTAATGATCCTGCTACCCTCTTGA AGACCAGCCCGGTACCTCTCTCCC
1926	Table 3A	Hs.169857	NM_000305	4505952	/cds=(32,1096)	1	GTGACCTCACTTCTGGCACTGTGACT ACTATGGCTGTTTAGAACTACTGA
1927	Table 3A	Hs.3873	NM_000310	4506030	palmitoyl-protein thioesterase 1 (ceroid- lipofuscinosis, neuronal 1, infantile) (PPT1), mRNA /cds=(13,933)	1	AAGCCTTATTCTTCAACTAAAAGATGA GGATTAAGAGCAAGAAGTTGGGG
1928	Table 3A	Hs.74621	NM_000311	4506112	prion protein (p27-30) (Creutzfeld- Jakob disease, Gerstmann-Strausler- Scheinker syndrome, fatal familial insomnia) (PRNP), mRNA	1	GCACTGAATCGTTTCATGTAAGAATC CAAAGTGGACACCATTAACAGGTC
1929	Table 3A	Hs.288986	NM_000344	13259515		1	GGTGCTCACATTCCTTAAATTAAGGA GAAATGCTGGCATAGAGCAGCACT
1930	Table 3A	Hs.2316	NM_000346	4557852	SRY (sex determining region Y)-box 9 (campomelic dysplasia, autosomal sex-reversal) (SOX9)	1	CTTTTGTTCTCTCCGTGAAACTTACCT TTCCCTTTTTCTTTCTCTTTTTT
1931	Table 3A	Hs.118787	7 NM_000358	4507466	transforming growth factor, beta- induced, 68kD (TGFBI), mRNA	1	TGGTATGTAGAGCTTAGATTTCCCTA TTGTGACAGAGCCATGGTGTTT
1932	literature	Hs.2030	NM_000361	4507482	Thrombomodulin	1	TGGAGATAATCTAGAACACAGGCAAA ATCCTTGCTTATGACATCACTTGT
1933	Table 3A	Hs.83848	NM_000365	4507644	mRNA /cds=(34,783)	1	GTGCCTCTGTGCTGTGTATGTGAACC ACCCATGTGAGGGAATAAACCTAG
1934	db mining	Hs.123078	3 NM_000369	4507700	thyroid stimulating hormone receptor (TSHR), mRNA /cds=(100,2394)	1	TGCAAACGGTTTTGTAAGTTAACACT ACACTACTCACAATGGTAGGGGAA

Table 8

1935	literature	Hs.75593	NM_000375		uroporphyrinogen III synthase (congenital erythropoietic porphyria)	1	CCTGTGCCCAGCAGGAAGGAAGTCA AATAAACCACACTGACTACCTGTGC
1936	db mining	Hs 2157	NM_000377	4507908	(UROS), mRNA /cds=(196,993) Wiskott-Aldrich syndrome (eczema- thrombocytopenia) (WAS), mRNA	1	CCCAACAATCCCAAGGCCCTTTTTAT ACAAAAATTCTCAGTTCTCTTCAC
1937	Table 3A	Hs 250	NM_000379	9257259	/cds=(34,1542) xanthene dehydrogenase (XDH), mRNA /cds=(81,4082)	1	TGTCTGTTTTAATCATGTATCTGGAAT AGGGTCGGGAAGGGTTTGTGCTA
1938	literature	Hs.192803	NM_000380	4507936	xeroderma pigmentosum, complementation group A (XPA),	1	CACGATGGTGGAAACAGTGGGGAAC TACTGCTGGAAAAAGCCCTAATAGC
1939	Table 3A	Hs.179665	NM_000389	11386202	mRNA /cds=(26,847) cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), mRNA	1	CCCTGGAGGCACTGAAGTGCTTAGT GTACTTGGAGTATTGGGGTCTGACC
1940	Table 3A	Hs 83942	NM_000396	4503150	cathepsin K (pycnodysostosis) (CTSK), mRNA /cds=(129,1118)	1	ACAAGTTTACATGATAAAAAGAAATGT GATTTGTCTTCCCTTCTTTGCAC
1941	Table 3A	Hs.88974	NM_000397	6996020	cytochrome b-245, beta polypeptide (chronic granulomatous disease)	1	TTGTATGTGAATAATTCTAGCGGGGG ACCTGGGAGATAATTCTACGGGGA
1942	Table 3A	Hs.1395	NM_000399	9845523	(CYBB), mRNA /cds=(14,1726) early growth response 2 (Krox-20 (Drosophila) homolog) (EGR2), mRNA /cds=(338,1768)	1	ATCTATTCTAACGCAAAACCACTAACT GAAGTTCAGATATAATGGATGGT
1943	Table 3A	Hs 180866	NM_000416	4557879	interferon gamma receptor 1 (IFNGR1), mRNA /cds=(43,1512)	1	GTAACGGAACATATCCAGTACTCCTG GTTCCTAGGTGAGCAGGTGATGCC
1944	Table 3A	Hs.1724	NM_000417	4557666	interleukin 2 receptor, alpha (IL2RA), mRNA /cds=(159,977)	1	ACTAATTTGATGTTTACAGGTGGACA CACAAGGTGCAAATCAATGCGTAC
1945	Table 3A	Hs.75545	NM_000418	4557668	interleukin 4 receptor (IL4R), mRNA /cds=(175,2652)	1	TGTGTGTTTTAGTTTCATCACCTGTTA TCTGTGTTTGCTGAGGAGAGTGG
1946	Table 3A	Hs.785	NM_000419	6006009	integrin, alpha 2b (platelet glycoprotein lib of lib/lila complex, antigen CD41B) (ITGA2B), mRNA /cds=(32,3151)	1	TTGGAGCTGTTCCATTGGGTCCTCTT GGTGTCGTTTCCCTCCCAACAGAG
1947	Table 3A	Hs 77318	NM_000430	6031206	platelet-activating factor acetylhydrolase, isoform lb, alpha	1	ATTTGTTGCTCTCAGACTGTGTAAAA CAAAATTTATTCATGTTTTCTGCA
1948	Table 3A	Hs.949	NM_000433	4557786	chronic granulomatous disease,	1	CTGAACCATTACTGTAATTGGCTCTT AAGGCTTGAAGTAACCTTATAGGT
1949	Table 3A	Hs.78146	NM_000442	4505706	autosomal 2) (NCF2), mRNA platelet/endothelial cell adhesion molecule (CD31 antigen) (PECAM1),	1	GCTAAGCTGCCGGTTCTTAAATCCAT CCTGCTAAGTTAATGTTGGGTAGA
1950	db mining	Hs.166891	NM_000449	4557842	class II expression) (RFX5), mRNA	1	TGTAACCAATAAATCTGTAGTGACCT TACCTGTATTCCCTGTGCTATCCT
1951	Table 3A	Hs.75428	NM_000454	4507148	(amyotrophic lateral sclerosis 1 (adult))	1	ACATTCCCTTGGATGTAGTCTGAGGC CCCTTAACTCATCTGTTATCCTGC
1952	Table 3A	Hs.83918	NM_000480	4502078	(SOD1), mRNA /cds=(0,464) adenosine monophosphate deaminase (isoform E) (AMPD3), mRNA /cds=(344,2674)	1	ATTTCTCCCTTATCTACTGTGATGACT TCAGAAGATACAATGGTCCCAGG
1953	Table 3A	Hs.88251	NM_000487	7262293	arylsulfatase A (ARSA), mRNA	1	TGTCTGGAGGGGGTTTGTGCCTGATA ACGTAATAACACCAGTGGAGACTT
1954	Table 3A	Hs.663	NM_000492	6995995	conductance regulator, ATP-binding cassette (sub-family C, member 7)	1	ACACTGCCTTCTCAACTCCAAACTGA CTCTTAAGAAGACTGCATTATATT
1955	Table 3A	Hs.273385	NM_000516	8659565	(CFTR), mRNA /cds=(132,4574) guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1 (GNAS1), mRNA /cds=(68,1252)	1	AGATGTTCCAAATTTAGAAAGCTTAA GGCGGCCTACAGAAAAAGGAAAAA
1956	Table 3A	Hs.155376	NM_000518	13788565	·	1	AAGTCCAACTACTAAACTGGGGGATA TTATGAAGGGCCTTGAGCATCTGG
1957	Table 3A	Hs.119403	NM_000520	13128865	hexosaminidase A (alpha polypeptide) (HEXA), mRNA /cds=(26,1615)	1	ATCCACCTCCCTCCCTAGAGCTATT CTCCTTTGGGTTTCTTGCTGCTGC
1958	Table 3A	Hs.51043	NM_000521	13128866		1	AAAAGGCCACAGCAATCTGTACTACA ATCAACTTTATTTTGAAATCATGT
1959	literature	Hs.111749	NM_000534	11496979		1	GATTAGTTACCATTGAAATTGGTTCT GTCATAAAACAGCATGAGTCTGGT
1960	literature	Hs.177548	NM_000535	11125773		1	AAAAATACACATCACACCCATTTAAAA GTGATCTTGAGAACCTTTTCAAA
1961	db mining	Hs.301461	NM_000538	4506500		1	ACAGCAACAGCTATTAAATCAGCAAG TTTTGGAGCAAAGACAACAGCAGT
1962	literature	Hs.150477	NM_000553	5739523		1	TGACCAGGGCAGTGAAAATGAAACC GCATTTTGGGTGCCATTAAATAGGG
1963	Table 3A	Hs 82212	NM_000560	10834971		1	CAATTTCTTTATTAGAGGGCCTTATTG ATGTGTTCTAAGTCTTTCCAGAA

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Table 8

1964	Table 3A	Hs 77424	NM_000566		Fc fragment of IgG, high affinity la, receptor for (CD64) (FCGR1A), mRNA /cds=(0,1124)	1	AGAGCTGAAATGTCAGGAACAAAAAG AAGAACAGCTGCAGGAAGGGGTGC
1965	literature	Hs 334687	NM_000569	12056966	Fc fragment of IgG, low affinity Illa, receptor for (CD16) (FCGR3A), mRNA /cds=(33,797)	1	GGTAATAAGAGCAGTAGCAGCAGCAT CTCTGAACATTTCTCTGGATTTGC
1966	Table 3A	Hs.1369	NM_000574	10835142	decay accelerating factor for complement (CD55, Cromer blood group system) (DAF), mRNA	1	AGAGTTTGGAAAAAGCCTGTGAAAGG TGTCTTCTTTGACTTAATGTCTTT
1967	Table 3A	Hs.1722	NM_000575	13236493	interleukin 1, alpha (IL1A), mRNA /cds=(36,851)	1	GTATGGTAGATTCAAATGAACCACTG AAAAGGCATTTAGTTTCTTGTCCC
1968	Table 3A	Hs.126256	NM_000576		interleukin 1, beta (IL1B), mRNA /cds=(86,895)	1	AGCTATGGAATCAATTCAATTTGGAC TGGTGTGCTCTCTTTAAATCAAGT
1969	literature	Hs.54443	NM_000579	4502638	chemokine (C-C motif) receptor 5 (CCR5), mRNA /cds=(357,1415)	1	GCTCTTAAGTTGTGGAGAGTGCAACA GTAGCATAGGACCCTACCCT
1970	Table 3A	Hs.313	NM_000582	4759165	secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T- lymphocyte activation 1) (SPP1), mRNA	1	GAATTTGGTGGTGTCAATTGCTTATTT GTTTTCCCACGGTTGTCCAGCAA
1971	Table 3A	Hs.624	NM_000584	10834977	interleukin 8 (IL8), mRNA	1	AAAACAGCCAAAACTCCACAGTCAAT ATTAGTAATTTCTTGCTGGTTGAA
1972	Table 3A	Hs.168132	NM_000585	10835152	/cds=(74,373) interleukin 15 (IL15), mRNA /cds=(316,804)	1	TAGCATTTGTTTAAGGGTGATAGTCA AATTATGTATTGGTGGGGCTGGGT
1973	Table 3A	Hs.89679	NM_000586	10835148	interleukin 2 (IL2), mRNA /cds=(47,517)	1	GCAGATGAGACAGCAACCATTGTAGA ATTTCTGAACAGATGGATTACCTT
1974	Table 3A	Hs.694	NM_000588	4504666	interleukin 3 (colony-stimulating factor, multiple) (IL3), mRNA /cds=(9,467)	1	TCTAATTTCTGAAATGTGCAGCTCCC ATTTGGCCTTGTGCGGTTGTGTTC
1975	literature	Hs.73917	NM_000589	4504668	interleukin 4 (IL4), mRNA /cds=(65,526)	1	ACCAGAGTACGTTGGAAAACTTCTTG GAAAGGCTAAAGACGATCATGAGA
1976	Table 3A	Hs.75627	NM_000591	4557416	CD14 antigen (CD14), mRNA /cds=(119,1246)	1	TGAGGACTTTTCGACCAATTCAACCC TTTGCCCCACCTTTATTAAAATCT
1977	Table 3A	Hs.158164	NM_000593	9665247	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) (TAP1), mRNA /cds=(30,2456)	1	GCTGGCCCATAAACACCCTGTAGGTT CTTGATATTTATAATAAAATTGGT
1978	Table 3A	Hs.241570	NM_000594	10835154	tumor necrosis factor (TNF superfamily, member 2) (TNF), mRNA	1	CCCAGGGAGTTGTGTCTGTAATCGG CCTACTATTCAGTGGCGAGAAATAA
1979	Table 3A	Hs.119663	NM_000611	10835164	CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344)	1	TGATCTTGGCTGTATTTAATGGCATA GGCTGACTTTTGCAGATGGAGGAA
1980	Table 3A	Hs.856	NM_000619	10835170	(CD59), mRNA /cds=(29,415) interferon, gamma (IFNG), mRNA /cds=(108,608)	1	TTGTTGACAACTGTGACTGTACCCAA ATGGAAAGTAACTCATTTGTTAAA
1981	Table 3A	Hs.172631	NM_000632	6006013		1	GTCAAGATTGTGTTTTTGAGGTTTCCT TCAGACAGATTCCAGGCGATGTGC
1982	Table 3A	Hs.194778	NM_000634	4504680	mRNA /cds=(75,3533) interleukin 8 receptor, alpha (IL8RA),	1	TCACCAGTCCCTCCCCAAATGCTTTC
1983	Table 3A	Hs.318885	NM_000636	10835186	mRNA /cds=(100,1152) superoxide dismutase 2, mitochondrial	1	CATGAGTTGCAGTTTTTTCCTAGT TACTTTGGGGACTTGTAGGGATGCCT
1984	Table 3A	Hs.2007	NM_000639	4557328	superfamily, member 6 (TNFSF6),	1	TTCTAGTCCTATTCTATTGCAGTT CCATCGGTGAAACTAACAGATAAGCA AGAGAGATGTTTTGGGGACTCATT
1985	Table 3A	Hs 82848	NM_000655	5713320	** *	1	AGCTCCTCTTCCTGGCTTCTTACTGA AAGGTTACCCTGTAACATGCAATT
1986	Table 3A	Hs.1103	NM_000660	10863872	molecule 1) (SELL), mRNA transforming growth factor, beta 1 (TGFB1), mRNA /cds=(841,2016)	1	CACCAGGAACCTGCTTTAGTGGGGG ATAGTGAAGAAGACAATAAAAGATA
1987	Table 3A	Hs.157850	NM_000661	4506664	Homo sapiens, clone MGC:15545 IMAGE:3050745, mRNA, complete cds	1	GGCTACAGAAAGAAGATGCCAGATG ACACTTAAGACCTACTTGTGATATT
1988	Table 3A	Hs.89499	NM_000698	4502056	/cds=(1045,1623) arachidonate 5-lipoxygenase (ALOX5), mRNA /cds=(44,2068)	1	GCATTTCCACACCAAGCAGCAACAGC AAATCACGACCACTGATAGATGTC
1989	Table 3A	Hs 78225	NM_000700	4502100	annexin A1 (ANXA1), mRNA /cds=(74,1114)	1	TCCCCAAACCATAAAACCCTATACAA GTTGTTCTAGTAACAATACATGAG
1990	db mining	Hs.89485	NM_000717	9951925		1	GCTTCCGGTCCTTAGCCTTCCCAGGT GGGACTTTAGGCATGATTAAAATA
1991	Table 3A	Hs.97087	NM_000734	4557430		1	TGCTATTGCCTTCCTATTTTGCATAAT AAATGCTTCAGTGAAAATGCAGC
1992	db mining	Hs.28408	NM_000752	4505032	leukotriene b4 receptor (chemokine receptor-like 1) (LTB4R), mRNA	1	GGAAGAAGAGGGAGAGATGGAGCAA AGTGAGGGCCGAGTGAGAGCGTGCT
1993	Table 3A	Hs 2175	NM_000760	4503080	/cds=(1717,2775) colony stimulating factor 3 receptor (granulocyte) (CSF3R), mRNA /cds=(169,2679)	1	ATCCAGCCCCACCCAATGGCCTTTTG TGCTTGTTTCCTATAACTTCAGTA
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Table 8

1994	literature	Hs.82568	NM_000784	13904863	cytochrome P450, subfamily XXVIIA (steroid 27-hydroxylase, cerebrotendinous xanthomatosis), polypeptide 1 (CYP27A1), mitochondrial	1	CTCAGCTAAAAGGCCACCCCTTTATC GCATTGCTGTCCTTGGGTAGAATA
1995	Table 3A	Hs.709	NM_000788	4503268	protein encoded by nuclear gene, deoxycytidine kınase (DCK), mRNA	1	ACCTTATGAACTACAGTGGAGCTACA CTCATTGAAATGTAATTTCAGTTC
1996	Table 3A	Hs.150403	NM_000790	4503280	/cds=(159,941) dopa decarboxylase (aromatic L-amino acid decarboxylase) (DDC), mRNA	1	TCCAGGGCAATCAATGTTCACGCAAC TTGAAATTATATCTGTGGTCTTCA
1997	Table 3A	Hs.83765	NM_000791	7262376	/cds=(69,1511) dihydrofolate reductase (DHFR), mRNA /cds=(479,1042)	1	GCCAGATTTGGGGCATTTGGAAAGAA GTTCATTGAAGATAAAGCAAAAGT
1998	Table 3A	Hs.179661	NM_000801	4503724	Homo sapiens, tubulin, beta 5, clone MGC:4029 IMAGE:3617988, mRNA, complete cds /cds=(1705,3039)	1	TGAGTCTCAAGTTTTATTATTGCA
1999	Table 3A	Hs.324784	NM_000817	4503872	glutamate decarboxylase 1 (brain, 67kD) (GAD1), transcript variant GAD67, mRNA /cds=(550,2334)	1	TTTTGAAGAAGGGAAATTCACACTGT GCGTTTTGAGTATGCAAGAAGAAT
2000	Table 3A	Hs.11899	NM_000859	4557642	3-hydroxy-3-methylglutaryl-Coenzyme A reductase (HMGCR), mRNA	1	TGTTGTGACTTTTTAGCCAGTGACTTT TTCTGAGCTTTTCATGGAAGTGG
2001	literature	Hs.1570	NM_000861	13435403	/cds=(50,2716) histamine receptor H1 (HRH1), mRNA /cds=(178,1641)	1	ACTTCACACAGACAAGTGGCTAAGTG TCCATTATTTACCTTGAACATCA
2002	Table 3A	Hs.83733	NM_000873	10433041	cDNA FLJ11724 fis, clone HEMBA1005331 /cds=UNKNOWN	1	ACAGCCAACTGGAAAGATATAAAAGT TTGGGTCTGTCTCCTCCTTCAG
2003	Table 3A	Hs.82112	NM_000877	4504658	interleukin 1 receptor, type I (IL1R1), mRNA /cds=(82,1791)	1	ATTAAAGCACCAAATTCATGTACAGC ATGCATCACGGATCAATAGACTGT
2004	Table 3A	Hs.75596	NM_000878	4504664	interleukin 2 receptor, beta (IL2RB),	1	ATGGAAATTGTATTTGCCTTCTCCACT TTGGGAGGCTCCCACTTCTTGGG
2005	Table 3A	Hs 2247	NM_000879	4504670	mRNA /cds=(131,1786) interleukin 5 (colony-stimulating factor, eosinophil) (IL5), mRNA /cds=(44,448)	1	TCAGAGGGAAAGTAAATATTTCAGGC ATACTGACACTTTGCCAGAAAGCA
2006	db mining	Hs.72927	NM_000880	4504676	interleukin 7 (IL7), mRNA	1	GTGTAACACAGTGCCTTCAATAAATG
2007	literature	Hs.673	NM_000882	4504638	/cds=(384,917) interleukin 12A (natural killer cell	1	GTATAGCAAATGTTTTGACATGAA TGGGACTATTACATCCACATGATACC
2001	illerature	113.010	14.14_000002	1001000	stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)		TCTGATCAAGTATTTTTGACATTT
2008	Table 3A	Hs.75432	NM_000884	4504688	(IL12A), mRNA /cds=(169,828) IMP (inosine monophosphate)	1	CATTCGTATGAGAAGCGGCTTTTCTG
2000	Table SA	113.73432	14141_000004	4004000	dehydrogenase 2 (IMPDH2), mRNA /cds=(47,1591)	-	AAAAGGGATCCAGCACACCTCCTC
2009	Table 3A	Hs.40034	NM_000885	6006032	alpha 4 subunit of VLA-4 receptor)	1	CTTCAGACTGAACATGTACACTGGTT TGAGCTTAGTGAAATGACTTCCGG
2010	Table 3A	Hs.51077	NM_000887	6006014	(ITGA4), mRNA /cds=(1151,4267) integrin, alpha X (antigen CD11C (p150), alpha polypeptide) (ITGAX), mRNA /cds=(58,3549)	1	TTTAAATGTTTGTGTTAATACACATTA AAACATCGCACAAAAACGATGCA
2011	Table 3A	Hs.1741	NM_000889	4504776	• • •	1	GCAACCTTGCATCCATCTGGGCTACC CCACCCAAGTATACAATAAAGTCT
2012	Table 3A	Hs.81118	NM_000895	4505028	leukotriene A4 hydrolase (LTA4H), mRNA /cds=(68,1903)	1	TGCTGGTGGGGAAAGACTTAAAAGTG GATTAAAGACCTGCGTATTGATGA
2013	literature	Hs.456	NM_000897	4505040		1	AGGGGCGCTCGCTTCCGCATCCTAG
2014	Table 3A	Hs.171880	NM_000937	14589948	mRNA /cds=(96,548) polymerase (RNA) II (DNA directed)	1	TCTCTATCATTAAAGTTCTAGTGAC AGCTGATCCTCGGGAAGAACAAAGCT
	745.5				polypeptide A (220kD) (POLR2A), mRNA /cds=(386,6298)		AAAGCTGCCTTTTGTCTGTTATTT
2015	Table 3A	Hs.183842	NM_000942	4758949	ubiquitin B (UBB), mRNA /cds=(94,783)	1	CACAGGCCCATGGACTCACTTTTGTA ACAAACTCCTACCAACACTGACCA
2016	Table 3A	Hs.74519	NM_000947	4506052		1	AGGAGGAGTTTCTATTAAAATCTGTC ACTTGAGTGATGTCATTTAAGTCC
2017	Table 3A	Hs 199248	NM_000958	4506258	prostaglandin E receptor 4 (subtype EP4) (PTGER4), mRNA	1	CCTGTGCAATAGACACATACATGTCA CATTTAGCTGTGCTCAGAAGGGCT
2018	Table 3A	Hs.199248	NM_000958	4506258		1	CCTGTGCAATAGACACATACATGTCA CATTTAGCTGTGCTCAGAAGGGCT
2019	Table 3A	Hs.250505	NM_000964	4506418	retinoic acid receptor, alpha (RARA), mRNA /cds=(102,1490)	1	TGCACCTGTTACTGTTGGGCTTTCCA CTGAGATCTACTGGATAAAGAATA
2020	Table 3A	Hs.119598	NM_000967	4506648	ribosomal protein L3 (RPL3), mRNA /cds=(6,1217)	1	AAGAAGGAGCTTAATGCCAGGAACA GATTTTGCAGTTGGTGGGGTCTCAA
2021	Table 3A	Hs.174131	NM_000970	4506656	ribosomal protein L6 (RPL6), mRNA /cds=(26,892)	1	AGGGCTACCTGCGATCTGTGTTTGCT CTGACGAATGGAATTTATCCTCAC
2022	Table 3A	Hs.153	NM_000971	4506658		1	CCATGATTATTTTTCTAAGCTGGTTG GTTAATAAACAGTACCTGCTCTCA
2023	Table 3A	Hs 99858	NM_000972	4506660	ribosomal protein L7a (RPL7A), mRNA	1	AAAGGCTAAAGAACTTGCCACTAAAC TGGGTTAAATGTACACTGTTGAGT
2024	Table 3A	Hs 178551	NM_000973	4506662	/cds=(31,831) ribosomal protein L8 (RPL8), mRNA /cds=(43,816)	1	GGAACCAAGACTGTGCAGGAGAAAG AGAACTAGTGCTGAGGGCCTCAATA

2025	Table 3A	Hs.179943	NM_000975		ribosomal protein L11 (RPL11), mRNA	1	TGGTTCCAGCAGAAGTATGATGGGAT CATCCTTCCTGGCAAATAAATTCC
2026	Table 3A	Hs 180842	NM_000977		/cds=(0,536) ribosomal protein L13 (RPL13), mRNA	1	TTGGTTGTTTGGTTAGTGACTGATGT
2020	rable on	110 100012	_		/cds=(51,686)		AAAACGGTTTTCTTGTGGGGAGGT
2027	Table 3A	Hs 234518	NM_000978	14591907	ribosomal protein L23 (RPL23)	1	ATGCTGGCAGCATTGCATGATTCTCC AGTATATTTGTAAAAAAATAAAAAA
2028	Table 3A	Hs.75458	NM_000979	4506606	ribosomal protein L18 (RPL18), mRNA	1	CGGGCCAGCCGAGGCTACAAAAACT
		670000	NINA 000004		/cds=(15,581)	1	AACCCTGGATCCTACTCTCTTATTA ACCTCCCACTTTGTCTGTACATACTG
2029	Table 3A	Hs.272822	NM_000981	4500000	RuvB (E coli homolog)-like 1 (RUVBL1), mRNA /cds=(76,1446)	'	GCCTCTGTGATTACATAGATCAGC
2030	Table 3A	Hs.184108	NM_000982	4506610	ribosomal protein L21 (gene or	1	TTCAACTAAAGCGCCACCTGCTCAC
					pseudogene) (RPL21), mRNA /cds=(33,515)		CCAGAGAAGCACACTTTGTGAGAA
2031	Table 3A	Hs.326249	NM_000983	4506612	ribosomal protein L22 (RPL22), mRNA	1	TTGGAAATCATAGTCAAAGGGCTTCC
2022	Table 3A	Hs 326249	NM 000983	4506612	/cds=(51,437) ribosomal protein L22 (RPL22), mRNA	1	TTGGTTCGCCACTCATTTATTTGT TTGGAAATCATAGTCAAAGGGCTTCC
2032	Table 3A	NS 320249	14141_000303	4000012	/cds=(51,437)		TTGGTTCGCCACTCATTTATTTGT
2033	Table 3A	Hs.184776	NM_000984	4506614	ribosomal protein L23a (RPL23A), mRNA /cds=(23,493)	1	CCTGATGGAGAGAAGAAGGCATATGT TCGACTGGCTCCTGATTACGATGC
2034	Table 3A	Hs.82202	NM_000985	14591906	ribosomal protein L17 (RPL17), mRNA	1	CAGAAGAAACTGAAGAAACAAAAACT
	T-1-1-04	11- 404500	NINE ODDOOG	4506618	/cds=(286,840) ribosomal protein L24 (RPL24), mRNA	1	TATGGCACGGGAGTAAATTCAGCA GTTTCAGCTCCCCGAGTTGGTGGAAA
2035	Table 3A	Hs.184582	NM_000986	4500010	/cds=(39,512)	•	ACGCTAAACTGGCAGATTAGATTT
2036	Table 3A	Hs.192760	NM_000987	4506620	kinesin family member 5A (KIF5A),	1	CTCCTGTTGGGTAAGGGTGTTGAGTG TGACTTGTGCTGAAAACCTGGTTC
2037	Table 3A	Hs.111611	NM 000988	4506622	mRNA /cds=(148,3246) ribosomal protein L27 (RPL27), mRNA	1	GAACAAGTGGTTCTTCCAGAAACTGC
2001			_		/cds=(17,427)		GGTTTTAGATGCTTTGTTTTGATC
2038	Table 3A	Hs.76064	NM_000990	14141189	ribosomal protein L27a (RPL27A), mRNA /cds=(22,468)	1	GGCTTGAAGCCACATGGAGGGAGTT TCATTAAATGCTAACTACTTTTAAA
2039	Table 3A	Hs.184014	NM_000993	4506632	ribosomal protein L31 (RPL31), mRNA	1	ATCTACAGACAGTCAATGTGGATGAG
2040	Table 3A	Hs.169793	NM 000994	4506634	/cds=(7,384) ribosomal protein L32 (RPL32), mRNA	1	AACTAATCGCTGATCAAATAACGT GCGCAGTGAAGAAAATGAGTAGGCA
2040	Table SA	113.100700	_		/cds=(34,441)		GCTCATGTGCACGTTTTCTGTTTAA
2041	Table 3A	Hs.289093	NM_000996	4506638	cDNA FLJ11509 fis, clone HEMBA1002166 /cds=UNKNOWN	1	CAATCTTCCTGCTAAGGCCATTGGAC ACAGAATCCGAGTGATGCTGTACC
2042	Table 3A	Hs.179779	NM_000997	4506640	ribosomal protein L37 (RPL37), mRNA	1	GGCAGCTGTTGCAGCATCCAGTTCAT
0040	Table 00	Un EEGG	NIM COOCO	4506642	/cds=(28,321) ribosomal protein L37a (RPL37A),	1	CTTAAGAATGTCAACGATTAGTCA AGACGCTCCTCTACTCTTTGGAGACA
2043	Table 3A	Hs.5566	NM_000998	4300042	mRNA /cds=(17,295)		TCACTGGCCTATAATAAATGGGTT
2044	Table 3A	Hs.300141	NM_001000	4506646	cDNA FLJ14163 fis, clone NT2RP1000409 /cds=UNKNOWN	1	TCTGTTATGAACACGTTGGTTGGCTG GATTCAGTAATAAATATGTAAGGC
2045	Table 3A	Hs.119500	NM_001004	4506670	ribosomal protein, large P2 (RPLP2),	1	TGAGAAGAAGGAGGAGTCTGAAGAG
			_		mRNA /cds=(74,421)		TCAGATGATGACATGGGATTTGGCC
2046	Table 3A	Hs.155101	NM_001006	4506722	mRNA for KIAA1578 protein, partial	1	GCTAAAGTTGAACGAGCTGATGGATA
			_	4500700	cds /cds=(0,3608)	1	TGAACCACCAGTCCAAGAATCTGT GCTGGCCACCAAACAGAGCAGTGGC
2047	Table 3A	Hs.180911	NM_001008	4506726	ribosomal protein S4, Y-linked (RPS4Y), mRNA /cds=(12,803)	•	TAAATTGCAGTAGCAGCATATCTTT
2048	Table 3A	Hs.76194	NM_001009	13904869	•	1	GCCAAGTCCAACCGCTGATTTTCCCA GCTGCTGCCCAATAAACCTGTCTG
2049	Table 3A	Hs.301547	NM_001011	4506740	/cds=(53,667) ribosomal protein S7 (RPS7), mRNA	1	TGGTGTCTATAAGAAGCTCACGGGCA
2010					/cds=(81,665)	_	AGGATGTTAATTTTGAATTCCCAG AGGCTGGACATCGGCCCGCTCCCCA
2050	Table 3A	Hs.182740	NM_001015	14277698	ribosomal protein S11 (RPS11), mRNA /cds=(33,509)	1	CAATGAAATAAAGTTATTTTCTCAT
2051	Table 3A	Hs.165590	NM_001017	14591910	ribosomal protein S13 (RPS13), mRNA	1	CATCTACAGCCTCTGCCCTGGTCGCA
2052	Table 3A	Hs.80617	NM 001020	14591912	/cds=(32,487) ribosomal protein S16 (RPS16), mRNA	1	TAAATTTGTCTGTGTACTCAAGCA CTACCAGAAATCCTACCGATAAGCCC
2002	Table on	110.00017	-		/cds=(52,492)		ATCGTGACTCAAAACTCACTTGTA
2053	Table 3A	Hs.5174	NM_001021	14591913	ribosomal protein S17 (RPS17), mRNA /cds=(25,432)	1	CTCGGGGACCTGTTTGAATTTTTCT GTAGTGCTGTATTATTTTCAATAA
2054	Table 3A	Hs.298262	NM_001022	14591914	ribosomal protein S19 (RPS19), mRNA	1	GCTGCCAACAAGAAGCATTAGAACAA
2055	Table 3A	Hs.182979	NM 001024	14670385	/cds=(69,506) cDNA: FLJ22838 fis, clone KAIA4494,	1	ACCATGCTGGGTTAATAAATTGCC GATGGCATCGTCTCAAAGAACTTTTG
2000	Table 3A	113.102313	14101_001024	14010000	highly similar to HUML12A ribosomal		ACTGGAGAGAATCACAGATGTGGA
2056	Toble 24	Hs.182979	NM_001024	14670385	protein L12 mRNA /cds=UNKNOWN cDNA: FLJ22838 fis, clone KAIA4494,	1	GATGGCATCGTCTCAAAGAACTTTTG
2056	Table 3A	115.102373	14101_001024	14070000	highly similar to HUML12A ribosomal	·	ACTGGAGAGAATCACAGATGTGGA
0057	Table 24	Un 064664	NIM DOLOGE	14700149	protein L12 mRNA /cds=UNKNOWN DNA for insulin-like growth factor II	1	CCAATGTTTCTCTTTTGGCCCTATACA
2057	Table 3A	Hs 251664	NM_001025	14/50142	(IGF-2); exon 7 and additional ORF		AAGGCAAGAAGAAGACCAAGA
2058	Table 3A	Hs.180450	NM_001026	14916502	ribosomal protein S24 (RPS24),	1	CTGGCAAAAAGCCGAAGGAGTAAAG GTGCTGCAATGATGTTAGCTGTGGC
2059	Table 3A	Hs.113029	NM_001028	14591916	transcript variant 1, mRNA inbosomal protein S25 (RPS25), mRNA	1	TGGTGAAGATGCATGAATAGGTCCAA
			_		/cds=(63,440)	1	CCAGCTGTACATTTGGAAAAATAA GCCAGTGTTTCCGTCAGTACGCGAA
2060	Table 3A	Hs.539	NM_001032	13904868	ribosomal protein S29 (RPS29), mRNA /cds=(30,200)	•	GGATATCGGTTTCATTAAGTTGGAC

Table 8

2061	Table 3A	Hs 2934	NM_001033		ribonucleotide reductase M1	1	GAGTGATAACTCATGAGAAGTACTGA
2062	Table 3A	Hs 172129	NM_001046	4506974	polypeptide (RRM1), mRNA cDNA FLJ21409 fis, clone COL03924	1	TAGGACCTTTATCTGGATATGGTC GGTGATTCTTCTCTGTTGAACTGAAG TTTGTGAGAGTAGTTTTCCTTTGC
2063	Table 3A	Hs.256278	NM_001066	4507576	/cds=UNKNOWN tumor necrosis factor receptor	1	TGTGTGAGAGTAGTTTTGCTTTGC TGTGTGTTGATCCCAAGACAATGAAA GTTTGCACTGTATGCTGGACGGCA
			NA 004007		superfamily, member 1B (TNFRSF1B), mRNA /cds=(89,1474) topoisomerase (DNA) II alpha (170kD)	1	GGGGAAGGTGTTTTTAGTACAAGACA
2064	literature	Hs 156346	NM_001067		(TOP2A), mRNA /cds=(36,4631)		TCAAAGTGAAGTAAAGCCCAAGTG AGGAAAACATCCAAAACAACAAGCAA
2065	Table 3A	Hs.75248	NM_001068	11225253	topoisomerase (DNA) II beta (180kD) (TOP2B), mRNA /cds=(0,4865)	1	GAAACCGAAGAAGACATCTTTTGA
2066	Table 3A	Hs 174140	NM_001096		ATP citrate lyase (ACLY), mRNA /cds=(84,3401)	1	AGCTGCCACCTCAGTCTCTCTCTGT ATTATCATAGTCTGGTTTAAATAA
2067	Table 3A	Hs 288061	NM_001101	5016088	actin, beta (ACTB), mRNA /cds=(73,1200)	1	GGAGGCAGCCAGGGCTTACCTGTAC ACTGACTTGAGACCAGTTGAATAAA
2068	db mining	Hs 150402	NM_001105	10862690	activin A receptor, type I (ACVR1), mRNA /cds=(340,1869)	1	AGCAAAGATTTCAGTAGAATTTTAGT CCTGAACGCTACGGGGAAAATGCA
2069	Table 3A	Hs.172028	NM_001110	4557250	a disintegrin and metalloproteinase domain 10 (ADAM10), mRNA	1	TGGTGGTATTCAGTGGTCCAGGATTC TGTAATGCTTTACACAGGCAGTTT
2070	Table 3A	Hs.7957	NM_001111	7669471	adenosine deaminase, RNA-specific (ADAR), transcript variant ADAR-a,	1	TGCTTTTATGTGTCCCTTGATAACAGT GACTTAACAATATACATTCCTCA
2071	Table 3A	Hs.172199	NM_001114	4557254	mRNA /cds=(187,3867) adenylate cyclase 7 (ADCY7), mRNA	1	TTGTTTCAAAATGCTGTTTCATTTTTA TAAAGTACCAGTGTTTAGCTGCT
2072	Table 3A	Hs.3416	NM_001122	4557260	/cds=(265,3507) adipose differentiation-related protein	1	AGAGATGGACAAGAGCAGCCAGGAG ACCCAGCGATCTGAGCATAAAACTC
					(ADFP), mRNA /cds=(0,1313)		
2073	literature	Hs.394	NM_001124	4501944	adrenomedullin (ADM), mRNA /cds=(156,713)	1	TGAAAGAGAAAGACTGATTACCTCCT GTGTGGAAGAAGGAAACACCGAGT
2074	literature	Hs.278398	NM_001151	4502096	DNA sequence from clone RP1- 202D23 on chromosome 6q14.1-15	1	GGAATACCTCAGAAGAGATGCTTCAT TGAGTGTTCATTAAACCACACATG
					Contains part of the gene for N-acetylglucosamine-phosphate mutase,		
					part of a gene for a novel protein, ESTs, STSs and GSSs /cds=(0,5916)		
2075	Table 3A	Hs.300711	NM_001154	4809273	annexin A5 (ANXA5), mRNA /cds=(192,1154)	1	ACCATGATACTTTAATTAGAAGCTTAG CCTTGAAATTGTGAACTCTTGGA
2076	Table 3A	Hs.300711	NM_001154	4809273	annexin A5 (ANXA5), mRNA /cds=(192,1154)	1	ACCATGATACTTTAATTAGAAGCTTAG CCTTGAAATTGTGAACTCTTGGA
2077	Table 3A	Hs.118796	NM_001155	4809274		1	GCCTCTGCCCTGGTTTGGCTATGTCA GATCCAATAAACATCCTGAACCTC
2078	Table 3A	Hs.75510	NM_001157	4557316	annexin A11 (ANXA11), mRNA /cds=(178,1695)	1	TGCCTTTTCTACCCCATCCCTCACAG CCTCTTGCTGCTAAAATAGATGTT
2079	Table 3A	Hs.14142	NM_001161	4502124		1	GGCCAGGCCCAAGTAAGTGTACCTT GTACTTTATAAATAAACCTCAAGCA
2000	Table 24	Hs.289107	NM 001166	10880127	/cds=(174,617)	1	GCCGAATTGTCTTTGGTGCTTTTCAC
2080	Table 3A		_		(BIRC2), mRNA /cds=(1159,3015)	1	TTGTGTTTTAAAATAAGGATTTTT CCCCTGCCAGAGGGAGTTCTTCTTTT
2081	Table 3A	Hs.83656	NM_001175	10835001	beta (ARHGDIB), mRNA	1	GTGAGAGACACTGTAAACGACACA AGAAGTCCCCCATGTGGATATTTCTT
2082	Table 3A	Hs.74515	NM_001178	4502232	translocator-like (ARNTL), mRNA	,	ATACTAATTGTATCATAAAGCCGT
2083	Table 3A	Hs 6551	NM_001183	4557340		1	GGGCAGGAGCATGGGGTGCTTGGTT
					(vacuolar proton pump), subunit 1 (ATP6S1), mRNA /cds=(1353,2198)		GTTTCCTTCCTAATAAAATAAACGC
2084	literature	Hs.77613	NM_001184		ataxia telangiectasia and Rad3 related (ATR), mRNA /cds=(79,8013)	1	TATCTGTTCAATTCTAAAGTACAA
2085	literature	Hs 2556	NM_001192	4507572	tumor necrosis factor receptor superfamily, member 17 (TNFRSF17), mRNA /cds=(218,772)	1	TTCTCTAGGTTACTGTTGGGAGCTTA ATGGTAGAAACTTCCTTGGTTTCA
2086	literature	Hs.158303	NM_001198	4557362	PR domain containing 1, with ZNF domain (PRDM1), mRNA	1	CCTCCCAGCAACCCACTACCTCTGGT ACCTGTAAAGGTCAAACAAGAAAC
2087	db mining	Hs 87223	NM_001203	4502430	bone morphogenetic protein receptor,	1	CCGTGTCTGTTTGTAGGCGGAGAAAC CGTTGGGTAACTTGTTCAAGATAT
2088	Table 3A	Hs.53250	NM_001204	4755129	type IB (BMPR1B), mRNA bone morphogenetic protein receptor, type II (serine/threonine kinase)	1	TGAGGGTGAGGGCAGGCTGAGGCAA CGAGTGGGAGGTTCAAACAAGAGTG
2089	Table 3A	Hs.101025	NM_001207	4502464		1	CCCAAACAATCTGTGGATGGAAAAGC ACCACTTGCTACTGGAGAGGATGA
2090	Table 3A	Hs.321247	NM_001225	4502576		1	AATCAACTTCAAGGAGCACCTTCATT AGTACAGCTTGCATATTTAACATT
2091	db mining	Hs 19949	NM_001228	4502582		1	AGGCGATGATATTCTCACCATCCTGA CTGAAGTGAACTATGAAGTAAGCA
2092	literature	Hs 514	NM_001239	4502622	/cds=(291,1730) cyclin H (CCNH), mRNA /cds=(60,1031)	1	TGACGACCTGGTAGAATCTCTCTAAC CATTTGAAGTTGATTTCTCAATGC

Table 8

2093	Table 3A	Hs 180841	NM_001242	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	tumor necrosis factor receptor superfamily, member 7 (TNFRSF7),	1	GCTGCGAAAGACCCACATGCTACAA GACGGGCAAAATAAAGTGACAGATG
2094	Table 3A	Hs.1314	NM_001243	4507588	mRNA /cds=(100,882) tumor necrosis factor receptor superfamily, member 8 (TNFRSF8), mRNA /cds=(222,2009)	1	CGCCCATGATGGGAGGGATTGACAT GTTTCAACAAAATAATGCACTTCCT
2095	literature	Hs.1313	NM_001244	4507606	tumor necrosis factor (ligand) superfamily, member 8 (TNFSF8), mRNA /cds=(114,818)	1	TCTTTCAGATAGCAGGCAGGGAAGCA ATGTAGTGTGGTGGGCAGAGCCCC
2096	db mining	Hs.25648	NM_001250	4507580	tumor necrosis factor receptor superfamily, member 5 (TNFRSF5), mRNA /cds=(47,880)	1	CAGGAGGATGGCAAAGAGAGTCGCA TCTCAGTGCAGGAGAGACAGTGAGG
2097	Table 3A	Hs.99899	NM_001252	4507604	tumor necrosis factor (ligand) superfamily, member 7 (TNFSF7), mRNA /cds=(137,718)	1	GGGGGTAGTGGTGGCAGGACAAGAG AAGGCATTGAGCTTTTTCTTTCATT
2098	db mining	Hs.76688	NM_001266	7262373	carboxylesterase 1 (monocyte/macrophage serine esterase 1) (CES1), mRNA /cds=(67,1767)	1	GCCATGAAGGAGCAAGTTTTGTATTT GTGACCTCAGCTTTGGGAATAAAG
2099	Table 3A	Hs.22670	NM_001270	4557446	chromodomain helicase DNA binding protein 1 (CHD1), mRNA	1	GCTACTTGTTTACATTGTACACTGCG ACCACCTTGCCGCTTTTCATCACA
2100	literature	Hs.20295	NM_001274	4502802	CHK1 (checkpoint, S.pombe) homolog	1	ACCAAGTTTCAGGGGACATGAGTTTT CCAGCTTTTATACACACGTATCTC
2101	db mining	Hs.306440	NM_001278	4502842	(CHEK1), mRNA /cds=(34,1464) mRNA; cDNA DKFZp566L084 (from	1	GGCAAATGAGGAACAGGGCAATAGT ATGATGAATCTTGATTGGAGTTGGT
2102	Table 3A	Hs.301921	NM_001295	4502630	clone DKFZp566L084) chemokine (C-C motif) receptor 1	1	TGTTCTTCATCTAAGCCTTCTGGTTTT
2103	Table 3A	Hs 285313	NM 001300	9961346	(CCR1), mRNA /cds=(62,1129) core promoter element binding protein	1	ATGGGTCAGAGTTCCGACTGCCA TATACCATGAGATGAG
2104	Table 3A	Hs.90073	- NM_001316		(COPEB) chromosome segregation 1 (yeast	1	ATCATTTCCTTGGGGGGGGGGGGT CCTAGGAAATCACAGGCTTCTGAGCA
2104	sable on	113.30070	14141_001010		homolog)-like (CSE1L), mRNA /cds=(123,3038)		CAGCTGCATTAAAACAAAGGAAGT
2105	Table 3A	Hs.82890	NM_001344	4503252	defender against cell death 1 (DAD1), mRNA /cds=(66,407)	1	AAATGTAACCTTTTGCTTTCCAAATTA AAGAACTCCATGCCACTCCTCAA
2106	Table 3A	Hs.172690	NM_001345	11415023		1	ACACACATACACACACCCCAAAACAC ATACATTGAAAGTGCCTCATCTGA
2107	Table 3A	Hs.301305	NM_001352	4503262	Homo sapiens, clone MGC:13202 IMAGE:3677636, mRNA, complete cds	1	GACCCTATCCTCCCACCGCCTCCGTT AACACGATCCTGAATAAATCTTGA
2108	Table 3A	Hs.306098	NM_001353	5453542	C1 (dihydrodiol dehydrogenase 1; 20- alpha (3-alpha)-hydroxysteroid	1	ACAGCAAAGCCCATTGGCCAGAAAG GAAAGACAATAATTTTGTTTTTTCA
2109	Table 3A	Hs.74578	NM_001357	13514819	polypeptide 9 (RNA helicase A, nuclear DNA helicase II; leukophysin) (DDX9),	1	AAGGAGTAAAGATTTGCCTTTAAATA ACTTGGTATTTTCCTGGCTTTCGT
2110	Table 3A	Hs.4747	NM_001363	4503336	transcript variant 1, mRNA dyskeratosis congenita 1, dyskerin (DKC1), mRNA /cds=(92,1636)	1	GGCCTCGTTTACTTTTAAAAAATGAAA TTGTTCATTGCTGGGAGAAGAAT
2111	Table 3A	Hs.77462	NM_001379	4503350	DNA (cytosine-5-)-methyltransferase 1 (DNMT1), mRNA /cds=(237,5087)	1	TCAACTAATGATTTAGTGATCAAATTG TGCAGTACTTTGTGCATTCTGGA
2112	Table 3A	Hs.154210	NM_001400	13027635	endothelial differentiation, sphingolipid G-protein-coupled receptor, 1 (EDG1), mRNA /cds=(243,1391)	1	TAGGTTTCTGACTTTTGTGGATCATTT TGCACATAGCTTTATCAACTTTT
2113	Table 3A	Hs 274466	NM_001403	4503472		1	AAATCAGTACTTTTTAATGGAAACAAC TTGACCCCCAAATTTGTCACAGA
2114	Table 3A	Hs.2186	NM_001404	4503480	Homo sapiens, eukaryotic translation elongation factor 1 gamma, clone MGC:4501 IMAGE:2964623, mRNA,	1	AGATCTTCAAGTGAACATCTCTTGCC ATCACCTAGCTGCCTGCACCTGCC
2115	Table 3A	Hs.129673	3 NM_001416	4503528		1	CAGGAGGGGGGAGGGAAGGGAGCC AAGGGATGGACATCTTGTCATTTTTT
2116	Table 3A	Hs.93379	NM_001417	4503532	4A, isoform 1 (EIF4A1), mRNA 2 eukaryotic translation initiation factor 4B (EIF4B) mRNA (ede=(0.1835)	1	GCAAGTATGCTGCTCTCTGTTGAT GGTGAAGATGAAAATGAGGGAGAA
2117	Table 3A	Hs.183684	4 NM_001418	4503538	4B (EIF4B), mRNA /cds=(0,1835) 8 eukaryotic translation initiation factor 4 gamma, 2 (EIF4G2), mRNA	1	TTGTGGGTGTGAAACAAATGGTGAGA ATTTGAATTGGTCCCTCCTATTAT
2118	Table 3A	Hs.22953	3 NM_001420	523129	/cds=(306,3029) 9 oi06d12.s1 cDNA, 3' end /clone=IMAGE:1522679 /clone_end=3'	1	AAAGGGAAAAAGACCTCGTGGAGAAT TTTTACTGGGGATTCTTGAACTTG
2119	Table 3A	Hs 15113	9 NM_001421	4503554	4 E74-like factor 4 (ets domain transcription factor) (ELF4), mRNA	1	AAATGTATTTACTATGCGTGTTTCCAG CAGTTGGCATTAAAGTGCCTTTT
2120	Table 3A	Hs.79368	NM_001423	450355		1	ATTTGCATTACTCTGGTGGATTGTTCT AGTACTGTATTGGGCTTCTTCGT
2121	Table 3A	Hs.9999	NM_001425	450356		1	GAGGAGGTCTCTTCTATGCCACCGG CCTCTGCCAGCTTTGCACCAGCGTG

2122	Table 3A	Hs 254105	NM_001428		enolase 1, (alpha) (ENO1), mRNA	1	GCTAGATCCCCGGTGGTTTTGTGCTC AAAATAAAAAGCCTCAGTGACCCA
2123	Table 3A	Hs 115263	NM 001432	4557566	/cds=(94,1398) epiregulin (EREG), mRNA	1	TTTGAAGAGCCATTTTGGTAAACGGT
2123	Table 5A		_		/cds=(166,675)		TTTTATTAAAGATGCTATGGAACA GTCAGGATTGCGAGAGATGTGTGTG
2124	Table 3A	Hs.99853	NM_001436	12056464	fibrillarin (FBL), mRNA /cds=(59,1024)	1	ATACTGTTGCACGTGTGTTTTTCT
2125	Table 3A	Hs.153179	NM_001444	4557580	fatty acid binding protein 5 (psoriasis-	1	CATGCAGCTATTTCAAAGTGTGTTGG ATTAATTAGGATCATCCCTTTGGT
2126	Table 3A	Hs 14845	NM_001455	4503738	associated) (FABP5), mRNA forkhead box O3A (FOXO3A), mRNA	1	TAATGGCCCCTTACCCTGGGTGAAGC
				4503750	/cds=(924,2945) fms-related tyrosine kinase 3 ligand	1	ACTTACCCTTGGAACAGAACTCTA AAGGCCTCATCCTGGGGAGGATACG
2127	Table 3A	Hs.428	NM_001459	4503750	(FLT3LG), mRNA /cds=(92,799)	•	TAGGCACACAGAGGGGAGTCACCAG
2128	Table 3A	Hs 99855	NM_001462	4503780	formyl peptide receptor-like 1 (FPRL1),	1	TGGGGTAAGTGGAGTTGGGAAATAC
			_		mRNA /cds=(772,1827)	1	AAGAAGAGAAAGACCAGTGGGGATT ACCTAGCGGACAATGATGGAGAGAT
2129	Table 3A	Hs.58435	NM_001465	4503820	FYN-binding protein (FYB-120/130) (FYB), mRNA /cds=(30,2381)		CTATGATGATATTGCTGATGGCTGC
2130	Table 3A	Hs.197345	NM_001469	4503840	thyroid autoantigen 70kD (Ku antigen) (G22P1), mRNA /cds=(17,1846)	1	GTGATGGTGTAGCCCTCCCACTTTGC TGTTCCTTACTTTACT
2131	Table 3A	Hs.56845	NM_001494	6598322	GDP dissociation inhibitor 2 (GDI2),	1	GCCTCTACTTCTGTCTCAAAATGGCT CCAAATGATTTCTGTACTGCAAAA
			NIN 004500	4504088	mRNA /cds=(152,1489) glycosylphosphatidylnositol specific	1	TCTCCTTCCACAGTTTATTTCCTCGCT
2132	Table 3A	Hs.272529	NM_001503	4504066	phospholipase D1 (GPLD1), mRNA	•	TCCTTTGCATCTAAACCTTTCTT
					/cds=(32,2557)	4	ACACTGTTGCCCTGGCTGTATTCATA
2133	literature	Hs.191356	NM_001515	6681761	general transcription factor IIH, polypeptide 2 (44kD subunit) (GTF2H2),	1	AGATTCCAGCTCCTTCAGGTGTTT
					mRNA /cds=(0,1187)		
2134	literature	Hs.90304	NM_001516	4504198	general transcription factor IIH,	1	GTCAATATTCTGCAATTTCAGCCCCA TTTGTACTACGTGCGAGACAGCCT
					polypeptide 3 (34kD subunit) (GTF2H3), mRNA /cds=(0,911)		
2135	literature	Hs.102910	NM_001517	4504200	general transcription factor IIH,	1	GGCGGGACTGGGCGGGGCA
			_		polypeptide 4 (52kD subunit) (GTF2H4), mRNA /cds=(127,1515)		TCAGAACTCAGGTGTTTTTTATTTAC
2136	Table 3A	Hs.197540	NM_001530	4504384	hypoxia-inducible factor 1, alpha	1	TTCCTTTTGCTCTTTGTGGTTGGATCT
2,00					subunit (basic helix-loop-helix		AACACTAACTGTATTGTTTTGTT
2137	Table 3A	Hs.235887	NM_001535	4504494	transcription factor) (HIF1A), mRNA HMT1 (hnRNP methyltransferase, S.	1	ACGTCTTCCAAATAAATTATGTGTTG
2107	Table 3A	113.200007	14111_001000		cerevisiae)-like 1 (HRMT1L1), mRNA		GTGCCATCGCACATGCTCAATAAA
0420	Table 24	Hs.94	NM_001539	4504510	/cds=(165,1466) heat shock protein, DNAJ-like 2	1	AGGTGGTGTTCAGTGTCAGACCTCTT
2138	Table 3A	F15.34	14141_001009	7007010	(HSJ2), mRNA /cds=(82,1275)		AATGGCCAGTGAATAACACTCACT
2139	Table 3A	Hs 20315	NM_001548	4504584		1	CTGAGACTGGCTGCTGACTTTGAGAA CTCTGTGAGACAAGGTCCTTAGGC
					tetratricopeptide repeats 1 (IFIT1), mRNA /cds=(64,1500)		
2140	Table 3A	Hs.181874	NM_001549	4504586		1	GCAGGGAAGCTTTGCATGTTGCTCTA AGGTACATTTTTAAAGAGTTGTTT
					tetratricopeptide repeats 4 (IFIT4), mRNA /cds=(61,1533)		AGGIACATTTTAAACACTTCTT
2141	Table 3A	Hs.7879	NM_001550	4504606	interferon-related developmental regulator 1 (IFRD1), mRNA	1	CGAACCAAAGCTAGAAGCAAATGTCG AGATAAGAGAGCAGATGTTGGAGA
2142	Table 3A	Hs.239189	NM_001551	4557662		1	GGAAGGAAAAGAGTGCTGAGAAATG
		N- 040	NIM 004557	4504600	/cds=(19,2028) interleukin 8 receptor, beta (IL8RB),	1	GCTCTGTATAATCTATGGCTATCCG ACCAAGGCTAGAACCACCTGCCTATA
2143	db mining	Hs.846	NM_001557		mRNA /cds=(408,1490)		TTTTTGTTAAATGATTTCATTCA
2144	Table 3A	Hs.327	NM_001558	4504632	interleukin 10 receptor, alpha (IL10RA), mRNA /cds=(61,1797)	1	CCTCTGCCAAAGTACTCTTAGGTGCC AGTCTGGTAACTGAACTCCCTCTG
2145	literature	Hs 73895	NM_001561	5730094		1	AAAATAATGCACCACTTTTAACAGAA
			_		superfamily, member 9 (TNFRSF9),		CAGACAGATGAGGACAGAGCTGGT
2146	Table 3A	Hs.83077	NM_001562	4504652	mRNA /cds=(139,906) interleukin 18 (interferon-gamma-	1	GAATTGGGGGATAGATCTATAATGTT
		11- 407459	- NM 001564	4504694	inducing factor) (IL18), mRNA inhibitor of growth family, member 1-	1	CACTGTTCAAAACGAAGACTAGCT CCGTTTGCTTTCAGAAAATGTTTTAG
2147	Table 3A	Hs.107153	3 NM_001564	4504054	like (ING1L), mRNA /cds=(91,933)		GGTAAATGCATAAGACTATGCAAT
2148	Table 3A	Hs.2248	NM_001565	4504700	small inducible cytokine subfamily B (Cys-X-Cys), member 10 (SCYB10),	1	CCCAAATTCTTTCAGTGGCTACCTAC ATACAATTCCAAACACATACAGGA
					mRNA /cds=(66,362)	_	•
2149	Table 3A	Hs.32944	NM_001566	4504704	inositol polyphosphate-4-phosphatase, type I, 107kD (INPP4A), transcript	1	AAATTAATAAGTCACAAGAAAAACAAA AGTGCCAGAAGATGTCCAGCCAC
					variant b, mRNA /cds=(294,3158)		
2150	Table 3A	Hs.106673	3 NM_001568	4503520	eukaryotic translation initiation factor 3,	1	AGAGGCTCCTAACTGGGCAACTCAA GATTCTGGCTTCTACTGAAGAACCA
					subunit 6 (48kD) (EIF3S6), mRNA /cds=(22,1359)		GATTOTOGOTTOTAG TORAGRAGOA
2151	Table 3A	Hs.14376	NM_001614	11038618	actin, gamma 1 (ACTG1), mRNA	1	GGTTTTCTACTGTTATGTGAGAACATT
2450	Table 24	Hs 83636	NM_001619	613897	/cds=(74,1201) I adrenergic, beta, receptor kinase 1	1	AGGCCCCAGCAACACGTCATTGT CAGCTTCTGCCACTTCCCAGGTAAGC
2132	Table 3A	115 05050	14141_001019	310007	(ADRBK1), mRNA /cds=(85,2154)		AGGAGGAGGTGCCAACAGTGTTAG

Table 8

2153	Table 3A	Hs 170087	NM_001621	5016091	aryl hydrocarbon receptor (AHR),	1	ACCATTTTTGTTACTCTCTTCCACATG TTACTGGATAAATTGTTTAGTGG
2154	Table 3A	Hs 75313	NM_001628	4502048	mRNA /cds=(643,3189) aldo-keto reductase family 1, member	1	GTGCCACTAACGGTTGAGTTTTGACT
					B1 (aldose reductase) (AKR1B1), mRNA /cds=(45,995)		GCTTGGAACTGGAATCCTTTCAGC
2155	Table 3A	Hs 100194	NM_001629	4502058	arachidonate 5-lipoxygenase-activating	1	TCTCCACCACCATCTCCCCTCTACTT
04.50	Toble 24	Hs.262476	NM_001634	5209326	protein (ALOX5AP), mRNA S-adenosylmethionine decarboxylase 1	1	CTCATTTCCTAACTCTCTGCTGAA GGTGTTGGACTTAAATCAGTTGAAAT
2156	Table 3A	⊓S.202470	_		(AMD1), mRNA /cds=(320,1324)		GTATTTCTGTACCACAATTTACGC
2157	Table 3A	Hs 82542	NM_001637	4502114	acyloxyacyl hydrolase (neutrophil) (AOAH), mRNA /cds=(274,2001)	1	CCCTTCCGCTGTTCCTGAAATAACCT TTCATAAAGTGCTTTGGGTGCCAT
2158	Table 3A	Hs.73722	NM_001641	4502136	APEX nuclease (multifunctional DNA	1	TTCTCATGTATAAAACTAGGAATCCTC
					repair enzyme) (APEX), mRNA /cds=(205,1161)		CAACCAGGCTCCTGTGATAGAGT
2159	literature	Hs 288650	NM_001650	4755123	aquaporin 4 (AQP4), transcript variant	1	AGACACGTCTATCAGCTTATTCCTTC TCTACTGGAATATTGGTATAGTCA
2160	Table 3A	Hs.792	NM_001656	4502196	a, mRNA /cds=(39,1010) ADP-ribosylation factor domain protein	1	TGTCTGGTAACAAGATGTGACTTTTT
			_		1, 64kD (ARFD1), mRNA	1	GGTAGCACTGTTGTGGTTCATTCT TCCTCTTTCCAGTGGATCATAAGACA
2161	Table 3A	Hs.270833	NM_001657	4502198	amphiregulin (schwannoma-derived growth factor) (AREG), mRNA	1	ATGGACCTTTTTGTTATGATGGT
2162	literature	Hs.74571	NM_001658	6995997	ADP-ribosylation factor 1 (ARF1),	1	ACTGTTTTGTATACTTGTTTTCAGTTT TCATTTCGACAAACAAGCACTGT
2163	literature	Hs.183153	NM_001661	4502206	mRNA /cds=(75,620) ADP-ribosylation factor 4-like (ARF4L),	1	ACATAGTTTTTATTTTTGTGTCTGTGA
			_		mRNA /cds=(156,761) ras homolog gene family, member A	1	AAGTGCCAAGAACCCCTCCCCAC TCACCTGGACTTAAGCGTCTGGCTCT
2164	Table 3A	Hs.77273	NM_001664	10835048	(ARHA), mRNA /cds=(151,732)		AATTCACAGTGCTCTTTCTCCTCA
2165	Table 3A	Hs.3109	NM_001666	11386132	Rho GTPase activating protein 4 (ARHGAP4), mRNA /cds=(42,2882)	1	AGATGCCTGGCAGGGCTGGGTGGCG ATTCATAAAGACCTCGTGTTGATTC
2166	Table 3A	Hs.181243	NM_001675	4502264	activating transcription factor 4 (tax-	1	GGATAGTCAGGAGCGTCAATGTGCTT
					responsive enhancer element B67) (ATF4), mRNA /cds=(881,1936)		GTACATAGAGTGCTGTAGCTGTGT
2167	Table 3A	Hs.76941	NM_001679	4502280	ATPase, Na+/K+ transporting, beta 3	1	TTGTGAAATATCTTGTTACTGCTTTTA
2168	Table 3A	Hs.73851	NM_001685	4502292	polypeptide (ATP1B3), mRNA ATP synthase, H+ transporting,	1	TTTAGCAGACTGTGGACTGTAAT CTGGAGGACCTGTTGATGCTAGTTCA
2100	Table 5A	113.70001	11111_00 1000	1000	mitochondrial F0 complex, subunit F6		GAGTATCACCAAGAGCTGGAGAGG
2169	Table 3A	Hs.8110	NM_001686	4502294	(ATP5J), mRNA /cds=(1,327) L-3-hydroxyacyl-Coenzyme A	1	GCTGCACAAGAGCCTTGATTGAAGAT
2.00	,		-		dehydrogenase, short chain (HADHSC),		ATATTCTTTCTGAACAGTATTTAA
2170	Table 3A	Hs.81634	NM_001688	4502298	mRNA /cds=(87,1031) ATP synthase, H+ transporting,	1	TTGCCTTTATAAAAACTTGCTGCCTG
					mitochondrial F0 complex, subunit b, isoform 1 (ATP5F1), mRNA		ACTAAAGATTAACAGGTTATAGTT
2171	Table 3A	Hs.1697	NM_001693	4502310	ATPase, H+ transporting, lysosomal	1	TGGTTCTGCTTTTTGACCTCTCTCTAC
					(vacuolar proton pump), beta polypeptide, 56/58kD, isoform 2		CTTTTCAGGGTAATCTTTGTGGC
					(ATP6B2), mRNA /cds=(25,1560)		0070700770707707070707070
2172	Table 3A	Hs.86905	NM_001695	4502314	ATPase, H+ transporting, lysosomal (vacuolar proton pump) 42kD (ATP6C),	1	CCTGTCCTTGTGTTTGTGTGTGCTAA CAGAAATAAGTTGCAGTATGGTCG
					mRNA /cds=(166,1314)		AAAAGTGTTGGTTTTCTGCCATCAGT
2173	Table 3A	Hs.76572	NM_001697	4502302	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit	1	GAAAATTCTTAAACTTGGAGCAAC
					(oligomycin sensitivity conferring		
2174	db mining	Hs.155024	NM_001706	4502382	protein) (ATP5O), mRNA /cds=(36,677) B-cell CLL/lymphoma 6 (zinc finger	1	AGGGTTTGGCTGTGTCTAAACTGCAT
	_	Ha 2242	- NM_001715	4502412	protein 51) (BCL6), mRNA B lymphoid tyrosine kinase (BLK),	1	TACCGCGTTGTAAAAAATAGCTGT CCTAGGCTGCGCTCCAGCACTGCGG
2175	literature	Hs 2243	MINI_001713	4502412	mRNA /cds=(222,1739)		GGCTTTTCTGCAATAAAGTCACGAG
2176	literature	Hs.113916	NM_001716	14589867	Burkitt lymphoma receptor 1, GTP- binding protein (BLR1), transcript	1	GGCAGCACAGAGACCCCCGGAACAA GCCTAAAAATTGTTTCAAAATAAAA
					variant 2, mRNA /cds=(288,1271)		A A CTCTTTTCCACA A A CCACCATCTAT
2177	Table 3A	Hs 77054	NM_001731	4502472	B-cell translocation gene 1, anti- proliferative (BTG1), mRNA	1	AAGTCTTTTCCACAAACCACCATCTAT TTTGTGAACTTTGTTAGTCATCT
2178	db mining	Hs 263812	NM_001736	4502508	nuclear distribution gene C (A.nidulans)	1	TGGCAAGTTGGAAAATATGTAACTGG AATCTCAAAAGTTCTTTGGGACAA
2179	Table 3A	Hs.182278	NM_001743	4502548	homolog (NUDC), mRNA Homo sapiens, calmodulin 2	1	TCTGCTTATGGCACAATTTGCCTCAA
		_			(phosphorylase kinase, delta), clone MGC.1447 IMAGE:3504793, mRNA,		ATCCATTCCAAGTTGTATATTTGT
					complete cds /cds=(93,542)		
2180	Table 3A	Hs.155560	NM_001746	10716562	calnexin (CANX), mRNA /cds=(89,1867)	1	CCATTGTTGTCAAATGCCCAGTGTCC ATCAGATGTGTTCCTCCATTTTCT
2181	Table 3A	Hs.76288	NM_001748	12408645	calpain 2, (m/ll) large subunit (CAPN2),	1	GCTGCCTCTGTAAATTCATGTATTCA
2182	Table 3A	Hs 279607	NM_001750	5729759	mRNA /cds=(142,2244) calpastatin (CAST), mRNA	1	AAGGAAAAGACACCTTGCCTATAA TCAAGTCAGCAACAGAGCAAAATAAA
					/cds=(66,1358)		GGTTAGATAAGTCCTTGTGTAGCA CTTGCCTTAAGCTACCAGATTGCTTT
2183	Table 3A	Hs.179881	NM_001755	13124872	core-binding factor, beta subunit (CBFB), transcript variant 2, mRNA	1	TGCCACCATTGGCCATACTGTGTG

Table 8

					Table 0		
2184	Table 3A	Hs 75586	NM_001759	4502616	cyclin D2 (CCND2), mRNA	1	TGGTTTTGAATGCAATTAGGTTATGC TATTTGGACAATAAACTCACCTTG
2185	Table 3A	Hs 83173	NM_001760	4502618	/cds=(269,1138) cyclin D3 (CCND3), mRNA	1	TGCAAGGTTTAGGCTGGTGGCCCAG
2186	Table 3A	Hs 1973	NM_001761	4502620	/cds=(165,1043) cyclin F (CCNF), mRNA	1	GACCATCATCCTACTGTAATAAAGA GTGTGGTCGGGGTGAGAACCCAAGC
2187	literature	Hs 343474	NM_001762	4502642		1	GTTGGAACTGTAGACCCGTCCTGTC AGCAGCAGTGACCATAACATTACTTACCTT
2188	Table 3A	Hs 66052	NM_001775	4502664	- " / " '	1	TAGATAAGCATATGTTACTTACCT CTCCACAATAAGGTCAATGCCAGAGA CGGAAGCCTTTTTCCCCAAAGTCT
2189	literature	Hs 205353	NM_001776	4502666	/cds=(69,971) ectonucleoside triphosphate diphosphohydrolase 1 (ENTPD1),	1	TGGAGGTATTCAATATCCTTTGCCTC AAGGACTTCGGCAGATACTGTCTC
2190	Table 3A	Hs 901	NM_001778	4502674	mRNA /cds=(67,1599) CD48 antigen (B-cell membrane protein) (CD48), mRNA /cds=(36,767)	1	GGTGCCCACCATTCTTGGCCTGTTAC TTACCTGAGATGAGCTCTTTTAAC
2191	Table 3A	Hs.287995	NM_001779	4502676	cDNA: FLJ23181 fis, clone LNG11094 /cds=UNKNOWN	1	TTAAGAAGAAATACCCACTAACAAAG AACAAGCATTAGTTTTGGCTGTCA
2192	Table 3A	Hs.82401	NM_001781	4502680	CD69 antigen (p60, early T-cell activation antigen) (CD69), mRNA	1	GCAAGACATAGAATAGTGTTGGAAAA TGTGCAATATGTGATGTG
2193	Table 3A	Hs.116481	NM_001782	4502682	CD72 antigen (CD72), mRNA /cds=(108,1187)	1	GGGCGGCCCGGAGCCAGCCAGGCA GTTTTATTGAAATCTTTTTAAATAAT
2194	Table 3A	Hs 79630	NM_001783	4502684	CD79A antigen (immunoglobulin- associated alpha) (CD79A), transcript variant 1, mRNA /cds=(36,716)	1	CTGATTGTAGCAGCCTCGTTAGTGTC ACCCCCTCCTCCCTGATCTGTCAG
2195	literature	Hs.184298	NM_001799	4502742	cyclin-dependent kinase 7 (homolog of Xenopus MO15 cdk-activating kinase)	1	AGAGAACACTGGACAACATTTTACTA CTGAGGGAAATAGCCAAAAAGGCA
2196	Table 3A	Hs.276770	NM_001803	4502760	(CDK7), mRNA /cds=(34,1074) CDW52 antigen (CAMPATH-1 antigen) (CDW52), mRNA /cds=(24,209)	1	CATGGGGGCAACAGCCAAAATAGGG GGGTAATGATGTAGGGGCCAAGCAG
2197	Table 3A	Hs.10029	NM_001814	4503140	cathepsin C (CTSC), mRNA /cds=(33,1424)	1	TTCTGGAAGATGGTCAGCTATGAAGT AATAGAGTTTGCTTAATCATTTGT
2198	literature	Hs.41	NM_001816	4502794	carcinoembryonic antigen-related cell adhesion molecule 8 (CEACAM8),	1	GGGTGGCTCTGATATAGTAGCTCTGG TGTAGTTTCTGCATTTCAAGAAGA
2199	Table 3A	Hs.83758	NM_001827	4502858	mRNA /cds=(32,1081) CDC28 protein kinase 2 (CKS2), mRNA /cds=(95,334)	1	TTCCAGTCAGTTTTTCTCTTAAGTGCC TGTTTGAGTTTACTGAAACAGTT
2200	literature	Hs 158324	NM_001837	4502636		1	AAGGACCAAGGAGATGAAGCAAACA CATTAAGCCTTCCACACTCACCTCT
2201	Table 3A	Hs.3462	NM_001867	4502992	cytochrome c oxidase subunit VIIc (COX7C), mRNA /cds=(18,209)	1	AGGTGCAGCCTCTGGAAGTGGATCA AACTAGAACTCATATGCCATACTAG
2202	Table 3A	Hs.75360	NM_001873	4503008	· · · · · · · · · · · · · · · · · · ·	1	ACTTAAAAGTTTAGGGTTTTCTCTTGG TTGTAGAGTGGCCCAGAATTGCA
2203	Table 3A	Hs.1940	NM_001885		crystallin, alpha B (CRYAB), mRNA /cds=(25,552)	1	GTCTTGTGACTAGTGCTGAAGCTTAT TAATGCTAAGGGCAGGCCCAAATT
2204	Table 3A	Hs.19904	NM_001902		cystathionase (cystathionine gamma- lyase) (CTH), mRNA /cds=(33,1250)	1	CCAGAGCTGCTATTAGAAGCTGCTTC CTGTGAAGATCAATCTTCCTGAGT
2205	literature	Hs 178452	NM_001903	4503126	catenin (cadherin-associated protein), alpha 1 (102kD) (CTNNA1), mRNA /cds=(4,2727)	1	TCCTCTTTCTCCCAGCTTCAAATGCA CAATTCATCATTGGGCTCACTTCT
2206	Table 3A	Hs 297939	NM_001908	4503138	cathepsin B (CTSB), mRNA /cds=(177,1196)	1	CAGCTTCACCCTGTCAAGTTAACAAG GAATGCCTGTGCCAATAAAAGGTT
2207	Table 3A	Hs.78056	NM_001912	4503154	•	1	CTCGAATCATTGAAGATCCGAGTGTG ATTTGAATTCTGTGATATTTTCAC
2208	literature	Hs.289271	NM_001916	4503184	cytochrome c-1 (CYC1), mRNA /cds=(8,985)	1	CTTCATCTGGAAGAAGAGGCAAGGG GGCAGGAGACCAGGCTCTAGCTCTG
2209	Table 3A	Hs 77494	NM_001929	4503318	deoxyguanosine kinase (DGUOK), mRNA /cds=(11,793)	1	AGACTTTGCCATTGTTGCCATTGTTTT CTTTTGTACCTGAAGCATTTTGA
2210	db mining	Hs 334626	NM_032332	14150113	hypothetical protein MGC4238 (MGC4238), mRNA /cds=(30,977)	1	AAAAGTAGGGGAGGGGCTGGGTCTG CAAATTAATAAATAGAAGAGGGGGT
2211	Table 3A	Hs 180383	NM_001946	4503418	dual specificity phosphatase 6 (DUSP6), transcript variant 1, mRNA	1	GTCGCAAAGGGGATAATCTGGGAAA GACACCAAATCATGGGCTCACTTTA
2212	Table 3A	Hs.82113	NM_001948	4503422	dUTP pyrophosphatase (DUT), mRNA /cds=(29,523)	1	TCAGTAAACAAATTCTTTCACAAGGTA CAAAATCTTGCATAAGCTGAACT
2213	Table 3A	Hs.42287	NM_001952	12669917	E2F transcription factor 6 (E2F6), mRNA /cds=(0,845)	1	GTTTTACTTAGGACAAGTTGTACCTT GCCCTCTCCCAGCTCTGCTCCCA
2214	literature	Hs.2271	NM_001955	4503460	endothelin 1 (EDN1), mRNA /cds=(336,974)	1	ACTGGCTTCCATCAGTGGTAACTGCT TTGGTCTCTTCTTTCATCTGGGGA
2215	Table 3A	Hs.275959	NM_001959	4503476	eukaryotic translation elongation factor 1 beta 2 (EEF1B2), mRNA	1	TGGATGTGGCTGCTTTCAACAAGATC TAAAATCCATCCTGGATCATGGCA
2216	Table 3A	Hs 326035	NM_001964	4503492	early growth response 1 (EGR1), mRNA /cds=(270,1901)	1	TGTGGTGTATATCCTTCCAAAAAATTA AAACGAAAATAAAGTAGCTGCGA
2217	Table 3A	Hs 79306	NM_001968	4503534	eukaryotic translation initiation factor 4E (EIF4E), mRNA /cds=(18,671)	1	GTCTTCCATGTGAACAGCATAAGTTT GGAGCACTAGTTTGATTATTATGT

Table 8

2218	literature	Hs.99863	NM_001972		elastase 2, neutrophil (ELA2), mRNA	1	GCCCACACCCACACTCTCCAGCATCT GGCACAATAAACATTCTCTGTTTT
0040	dh mining	Un 011056	NIM 012000		/cds=(38,841) CD3-epsilon-associated protein;	1	AGCTGTTTCCTGGGTAAATCTAGAGT
2219	db mining	Hs 211956	NM_012099		antisense to ERCC-1 (ASE-1), mRNA	·	GGGGTTTTGGTTCTTTATTTTCCC
2220	Table 3A	Hs.62192	NM_001993	10518499	/cds=(488,2020) coagulation factor III (thromboplastin,	1	GCAGGAGACATTGGTATTCTGGGCA
2220	Table 6/1	110.02,02			tissue factor) (F3), mRNA		GCTTCCTAATATGCTTTACAATCTG
2221	Table 3A	Hs.278333	NM_001995	4503650	fatty-acid-Coenzyme A ligase, long-	1	TGGTTTTCATATCAAAAGATCATGTTG GGATTAACTTGCCTTTTTCCCCA
					chain 1 (FACL1), nuclear gene encoding mitochondrial protein, mRNA		GGATTAGTTGGGTTTTTGGGGT
					/cds=(73,2172)		
2222	Table 3A	Hs 77393	NM_002004	4503684	farnesyl diphosphate synthase (farnesyl	1	ATCTACAAGCGGAGAAAGTGACCTAG
					pyrophosphate synthetase, dimethylallyltranstransferase,		AGATTGCAAGGGCGGGGAGAGGAG
					geranyltranstransferase) (FDPS),		
					mRNA /cds=(114,1373)		707774A47000770077077777777
2223	Table 3A	Hs.170133	NM_002015	9257221	forkhead box O1A (rhabdomyosarcoma) (FOXO1A),	1	TGTTTAAATGGCTTGGTGTCTTTCTTT TCTAATTATGCAGAATAAGCTCT
2224	Table 3A	Hs.89764	NM_002024	4503764	fragile X mental retardation 1 (FMR1),	1	AAAACTGTACTTTGATTCACATGTTTT
	, 45,6				mRNA /cds=(219,2117)		CAAATGGAGTTGGAGTTCATTCA
2225	Table 3A	Hs.138381	NM_002027	4503770	farnesyltransferase, CAAX box, alpha (FNTA), mRNA /cds=(6,1145)	1	TCCATCAGAGCTGGTCTGCACACTCA CATTATCTTGCTATCACTGTAACC
2226	Table 3A	Hs.753	NM_002029	4503778	formyl peptide receptor 1 (FPR1),	1	GACACTTTCGAGCTCCCAGCTCCAGC
LLLO	, 45.5 6.1		_		mRNA /cds=(61,1113)		TTCGTCTCACCTTGAGTTAGGCTG
2227	Table 3A	Hs.62954	NM_002032	4503794	ferritin, heavy polypeptide 1 (FTH1), mRNA /cds=(91,663)	1	TGTTGGGGTTTCCTTTACCTTTTCTAT AAGTTGTACCAAAACATCCACTT
2228	Table 3A	Hs.278238	NM_002041	8051596	GA-binding protein transcription factor,	1	AGGAGTCTTTTACCCGGTGTGCTTTG
2220	Table on	113.270200	//III_0020 / ·		beta subunit 2 (47kD) (GABPB2),		CCGCAGTCATCCAAAATAAATTCA
		11: 400470	NIN 000040	7000404	transcript variant gamma, mRNA Homo sapiens, glyceraldehyde-3-	1	TAGGGAGCCGCACCTTGTCATGTACC
2229	Table 3A	Hs.169476	NM_002046	7669491	phosphate dehydrogenase, clone	•	ATCAATAAAGTACCCTGTGCTCAA
					MGC 10926 IMAGE:3628129, mRNA,		
	dia and the transi	U- 20400E	NIM 0000E0	4503926	complete cds /cds=(2306,3313) GATA-binding protein 2 (GATA2),	1	GCTGTATATAAACGTGTCCCGAGCTT
2230	db mining	Hs.334695	NM_002050	4505520	mRNA /cds=(193,1617)	•	AGATTCTGTATGCGGTGACGGCGG
2231	Table 3A	Hs.62661	NM_002053	4503938	guanylate binding protein 1, interferon-	1	TGTCTTATGTGTCAAAAGTCCTAGGA AAGTGGTTGATGTTTCTTATAGCA
					inducible, 67kD (GBP1), mRNA /cds=(68,1846)		AAGIGGITGATGITTCTTATAGGA
2232	Table 3A	Hs.1674	NM_002056	4503980		1	GCTGAATGACATATTTTATCTTGTTCT
					transaminase 1 (GFPT1), mRNA		TTAAAATCACAACACAGAGCTGC
2233	Table 3A	Hs.296261	NM_002072	4504044	/cds=(122,2167) guanine nucleotide binding protein (G	1	TGTCTCTCTCTTTTTCTTTTCTATG
2200	100001				protein), q polypeptide (GNAQ), mRNA		GAGCAAAACAAAGCTGATTTCCC
0024	Table 2A	Un 215505	NIM OCCUPA	11321584	/cds=(220,1299) quanine nucleotide binding protein (G	1	CAGTGTACTGCAAGGAAGCTGGATG
2234	Table 3A	Hs.215595	NM_002074	11321304	protein), beta polypeptide 1 (GNB1),	·	CAAGATAGATACTATATTAAACTGT
					mRNA /cds=(280,1302)		TGTATTGTATGCAAATCTGTGATTGTT
2235	Table 3A	Hs.183773	NM_002078	6715599	golgi autoantigen, golgin subfamily a, 4 (GOLGA4), mRNA /cds=(285,6977)	1	GGCAGTGTCATCTCTGAGAAACA
2236	Table 3A	Hs.180577	NM_002087	4504150		1	GGGGTGTTTGTGTGTGTGCGCGTGT
			N114 000004	4504466	C4 to 5 phase transition 1 (GSPT1)	1	GCGTTTCAATAAAGTTTGTACACTT TTTAGTATTTTTCCCCCAGGCCAGAT
2237	Table 3A	Hs.2707	NM_002094	4504100	G1 to S phase transition 1 (GSPT1), mRNA /cds=(648,2147)	'	CATTCGTGAGTGTGCGAGTGTGTG
2238	Table 3A	Hs.75113	NM_002097	4753158	general transcription factor IIIA	1	TGCTTTGTTTAAAGGACTGCAGACCA AGGAGTCGAGCTTTCTCTCAGAGC
2220	Toble 24	Hs.119192	NM 002106	450425 4	(GTF3A), mRNA /cds=(19,1290) H2A histone family, member Z	1	ACCTTATTTCCACTCTGGTGGATAAG
2239	Table 3A	113.113132	14101_002100		(H2AFZ), mRNA /cds=(106,492)		TTCAATAAAGGTCATATCCCAAAC
2240	Table 3A	Hs.181307	NM_002107	4504278	H3 histone, family 3A (H3F3A), mRNA	1	AATGTTGTCTGTCTTCTGTGCTGTTC CTGTAAGTTTGCTATTAAAATACA
2241	Table 3A	Hs.263435	NM_002108	4809282	/cds=(374,784) histidine ammonia-lyase (HAL), mRNA	1	ACCTTCCTCATTTCACAGATAAGGAA
2241	Table of t	110.200 100	1111_002100		/cds=(297,2270)		TCTTTGGGGATTAACCAACCTCCT
2242	literature	Hs.77798	NM_002109	6996013	histidyl-tRNA synthetase (HARS), mRNA /cds=(455,1984)	1	AGATACCTCCCCACCACCAATTGCCA AAGGTCCAATAAAATGCCTCAACC
2243	Table 3A	Hs.89555	NM 002110	4504356	hemopoletic cell kinase (HCK), mRNA	1	GCAATCCACAATCTGACATTCTCAGG
					/cds=(168,1685)	4	AAGCCCCCAAGTTGATATTTCTAT TCTCAGGCTGCGTGCAGCAACAGTG
2244	db mining	Hs.277477	NM_002117	11321588	major histocompatibility complex, class I, C (HLA-C), mRNA /cds=(0,1100)	1	CCCAGGCTCTGATGAGCCCCCAT
2245	Table 3A	Hs.814	NM_002121	4504404	major histocompatibility complex, class	1	GCCTCCAACCATGTTCCCTTCTTCTT
					II, DP beta 1 (HLA-DPB1), mRNA /cds=(19,795)		AGCACCACAAATAATCAAAACCCA
2246	Table 3A	Hs.308026	NM_002125	4504412	major histocompatibility complex, class	1	CTCATCTTCAACTTTTGTGCTCCCCTT
	v.= -v •				II, DR beta 5 (HLA-DRB5), mRNA		TGCCTAAACCCTATGGCCTCCTG
2247	Table 3A	Hs.324278	NM 002128	4504424	/cds=(29,829) mRNA; cDNA DKFZp566M063 (from	1	TGGGGGTTGTAAATTGGCATGGAAAT
2241	Table UA	110.02727		.50172	clone DKFZp566M063)		TTAAAGCAGGTTCTTGTTGGTGCA

Table 8

2248	Table 3A	Hs.80684	NM_002129		high-mobility group (nonhistone chromosomal) protein 2 (HMG2), mRNA /cds=(190,819)	1	TGTGTGTATGGTAGCACAGCAAACTT GTAGGAATTAGTATCAATAGTAAA
2249	Table 3A	Hs.1119	NM_002135	4504440	minus /cus-(190,619) nuclear receptor subfamily 4, group A, member 1 (NR4A1), mRNA //cds-(110,1906)	1	CCTGCCTGGCTCTCCTTCCTACCCT CCTTCCACATGTACATAAACTGTC
2250	Table 3A	Hs 249495	NM_002136		ribonucleoprotein A1 (HNRPA1), transcript variant 2, mRNA	1	AGATGGGAATGAAGCTTGTGTATCCA TTATCATGTGTAATCAATAAACGA
2251	Table 3A	Hs 232400	NM_002137	14043073	heterogeneous nuclear ribonucleoprotein A2/B1 (HNRPA2B1), transcript variant B1, mRNA	1	TTAAGATTTTTCTCAAAGTTTTGAAAA GCTATTAGCCAGGATCATGGTGT
2252	Table 3A	Hs.303627	NM_002138	14110413	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA-binding protein 1, 37kD)	1	TGCGGCTAGTTCAGAGAGATTTTTAG AGCTGTGGTGGACTTCATAGATGA
2253	Table 3A	Hs 146381	NM_002139	4504450	(HNRPD), transcript variant 1, mRNA RNA binding motif protein, X chromosome (RBMX), mRNA	1	CCATTTTGCCTTTCTGACATTTCCTTG GGAATCTGCAAGAACCTCCCCTT
2254	Table 3A	Hs 2733	NM_002145	4504464	homeo box B2 (HOXB2), mRNA /cds=(78,1148)	1	TTCCGTTTGGTAGACTCCTTCCAATG AAATCTCAGGAATAATTAAACTCT
2255	Table 3A	Hs.3268	NM_002155	4504514	heat shock 70kD protein 6 (HSP70B') (HSPA6), mRNA /cds=(0,1931)	1	GGCAGAGAAGGAGGAGTATGAGCAT CAGAAGAGGGAGCTGGAGCAAATCT
2256	Table 3A	Hs.79037	NM_002156	4504520	Homo sapiens, heat shock 60kD protein 1 (chaperonin), clone MGC:19755 IMAGE:3630225, mRNA, complete cds /cds=(1705,3396)	1	AGCAGCCTTTCTGTGGAGAGTGAGAA TAATTGTGTACAAAGTAGAGAAGT
2257	Table 3A	Hs.1197	NM_002157	4504522	heat shock 10kD protein 1 (chaperonin 10) (HSPE1), mRNA /cds=(41,349)	1	AATGATAACTAATGACATCCAGTGTC TCCAAAATTGTTTCCTTGTACTGA
2258	db mining	Hs.93177	NM_002176	4504602	interferon, beta 1, fibroblast (IFNB1), mRNA /cds=(0,563)	1	TCCCTCTGGGACTGGACAATTGCTTC AAGCATTCTTCAACCAGCAGATGC
2259	Table 3A	Hs.82065	NM_002184	4504674	interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST), mRNA /cds=(255,3011)	1	CGGCTACATGCCTCAGTGAAGGACTA GTAGTTCCTGCTACAACTTCAGCA
2260	Table 3A	Hs.237868	NM_002185	4504678		1	CATGAGTCAAGAGCATCCTGCTTCTA CCATGTGGATTTGGTCACAAGGTT
2261	db mining	Hs.1702	NM_002186	4504684		1	GTCAGAGGTCCTGTCTGGATGGAGG CTGGAGGCTCCCCCCTCAACCCCTC
2262	db mining	Hs.674	NM_002187	4504640	•	1	CCTGATACACAATTATGACCAGAAAA TATGGCTCCATGAAGGTGCTACTT
2263	Table 3A	Hs.41724	NM_002190	4504650		1	ATTCAATTCCAGAGTAGTTTCAAGTTT CACATCGTAACCATTTTCGCCCG
2264	Table 3A	Hs.80645	NM_002198	4504720		1	TGGAAATGTCATCTAACCATTAAGTC ATGTGTGAACACATAAGGACGTGT
2265	Table 3A	Hs 83795	NM_002199	4755144		1	AATTCCCAGATTTGAAGACAAAAATA CTCTAATTCTAACCAGAGCAAGCT
2266	Table 3A	Hs.334450	NM_002200	4504726	• • • • • • • • • • • • • • • • • • • •	1	TGGCAGCTACCCCCTTCTTGAGAGTC CAAGAACCTGGAGCAGAAATAATT
2267	Table 3A	Hs.241545	NM_002208	6007850	Homo sapiens, Similar to hypothetical protein, clone MGC:1824 IMAGE:3509518, mRNA, complete cds	1	TTCCTTCAGGATGATCTAGAGCAGCA TGGAGCTGTTGGTAGAATATTAGT
2268	Table 3A	Hs.174103	NM_002209	4504756		1	TGCCAAGCACAGTGCCTGCATGTATT TATCCAATAAATGTGAAATTCTGT
2269	Table 3A	Hs.287797	NM_002211	4504766	mRNA for FLJ00043 protein, partial cds /cds=(0,4248)	1	ACCACTGTATGTTTACTTCTCACCATT TGAGTTGCCCATCTTGTTTCACA
2270	Table 3A	Hs.5215	NM_002212	4504770	integrin beta 4 binding protein (ITGB4BP), mRNA /cds=(70,807)	1	GGCTGAGGGTTCTGCTGTCCTGTGC CACCCCATTAAAGTGCAGTTCCTCC
2271	Table 3A	Hs 50651	NM_002227	4504802	Janus kinase 1 (a protein tyrosine kinase) (JAK1), mRNA /cds=(75,3503)	1	ACCATCCAATCGGACAAGCTTTCAGA ACCTTATTGAAGGATTTGAAGCAC
2272	Table 3A	Hs.198951	NM_002229	4504808	jun B proto-oncogene (JUNB)	1	AGTCTCTAAAGAGTTTATTTTAAGACG TGTTTGTGTTTGTGTGTTTGT
2273	Table 3A	Hs 3886	NM_002267	4504898	karyopherin alpha 3 (importin alpha 4) (KPNA3), mRNA /cds=(91,1656)	1	TGGAAGACTAAAGAGGTGCAATGTGA TCTGAGCCTCCATCATTGTCCTCC
2274	Table 3A	Hs.74011	NM_002286	11693297		1	GCAGCCAGCAGATCTCAGCAGCCCA GTCCAAATAAACGTCCTGTCTAGCA
2275	Table 3A	Hs.334822	NM_002295	984550 ⁻		1	GGTAGGAGCAACCACTGACTGGTCTT AAGCTGTTCTTGCATAGGCTCTTA
2276	Table 3A	Hs.152931	NM_002296	4504960	/cds=(1616,2617) D lamin B receptor (LBR), mRNA /cds=(75,1922)	1	TCAGCTACACTTTGTTTTTAAGTTTGT TTTTGACATGTTTATTTGGCAAA

Table 8

2277	Table 3A	Hs 76506	NM_002298		lymphocyte cytosolic protein 1 (L- plastin) (LCP1), mRNA /cds=(173,2056)	1	TCCCCCCTCCGCCTCCCAGGAAGAA AGAATGTTACTGCCTTAATAAAAAA
2278	Table 3A	Hs.234489	NM_002300	4557031	Homo sapiens, lactate dehydrogenase B, clone MGC:3600 IMAGE 3028947,	1	GTGAATTTGGGCTCACAGAATCAAAG CCTATGCTTGGTAGCTCTTGAACA
					mRNA, complete cds /cds=(1745,2749)		
2279	Table 3A	Hs 2250	NM_002309	6006018	leukemia inhibitory factor (cholinergic differentiation factor) (LIF), mRNA /cds=(64,672)	1	TCCTTCCTTTCCACTGAAAAGCACAT GGCCTTGGGTGACAAATTCCTCTT
2280	Table 3A	Hs 2798	NM_002310	6042197	leukemia inhibitory factor receptor (LIFR), mRNA /cds=(153,3446)	1	AGAAATGTTCAGTAATGAAAAAATATA TCCAATCAGAGCCATCCCGAAAA
2281	literature	Hs 166091	NM_002312	4504996	ligase IV, DNA, ATP-dependent (LIG4), mRNA /cds=(474,3008)	1	TTTTAACTTTTAAGGTTGAAAAGACAA TAGCCCAAAGCCAAGAAAGAAAA
2282	Table 3A	Hs 158203	NM_002313	6006043	actin binding LIM protein 1 (ABLIM), transcript variant ABLIM-I, mRNA /cds=(99,2435)	1	GCACTCCTTTGTCATATACTCTGCAT CACTGTCATACTCACAACTTCGTG
2283	Table 3A	Hs 890	NM_002341	4505034	lymphotoxin beta (TNF superfamily, member 3) (LTB), transcript variant 1, mRNA /cds=(8,742)	1	TGGCAGTGGGAAAAATGTAGGAGAC TGTTTGGAAATTGATTTTGAACCTG
2284	literature	Hs.1116	NM_002342	4505038	lymphotoxin beta receptor (TNFR superfamily, member 3) (LTBR), mRNA /cds=(168,1475)	1	CATGCAAATAAAAAGAATGGGACCTA AACTCGTGCCGCTCGTGCCGAATT
2285	Table 3A	Hs.105938	NM_002343		lactotransferrin (LTF), mRNA /cds=(294,2429)	1	GGATTGCCCATCCATCTGCTTACAAT TCCCTGCTGTCGTCTTAGCAAGAA
2286	Table 3A	Hs.210	NM_002344		leukocyte tyrosine kinase (LTK), mRNA /cds=(170,2581)	1	GAGCACTGGATTGCTTTCCCATTATG AGCGTCCTTCATCTGGGCAGACCC
2287	Table 3A	Hs.80887	NM_002350	4505054	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN), mRNA /cds=(297,1835)	1	AACCGGATATATACATAGCATGACAT TTCTTTGTGCTTTGGCTTACTTGT
2288	Table 3A	Hs.75709	NM_002355	10947032	mannose-6-phosphate receptor (cation dependent) (M6PR), mRNA /cds=(170,1003)	1	ATTTGTTTGCATCCCTCCCCCACACC CTGGTGTTTTAAAATGAAGAAAAA
2289	Table 3A	Hs 330716	NM_002356	11125771	cDNA FLJ14368 fis, clone HEMBA1001122 /cds=UNKNOWN	1	AAACTCCTGCTTAAGGTGTTCTAATTT TCTGTGAGCACACTAAAAGCGAA
2290	Table 3A	Hs.69547	NM_002385	4505122	myelin basic protein (MBP), mRNA /cds=(10,570)	1	GACATGCGGGCTGGGCAGCTGTTAG AGTCCAACGTGGGGCAGCACAGAGA
2291	Table 3A	Hs.172195	NM_002408	6031183	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N- acetylglucosaminyltransferase	1	ACCAAAATTCAGTGAAGGCATTCTAC AAGTTTTGAGTTAGCATTACATTT
2292	literature	Hs 1384	NM_002412	4505176		1	TAACACTGCATCGGATGCGGGGCGT GGAGGCACCGCTGTATTAAAGGAAG
2293	Table 3A	Hs.177543	NM_002414	4505182		1	TCCATCGAGCACGTCTGAAACCCCTG GTAGCCCCGACTTCTTTTTAATTA
2294	db mining	Hs.83169	NM_002421	13027798	matrix metalloproteinase 1 (interstitial collagenase) (MMP1), mRNA /cds=(71,1480)	1	CAGTCACTGGTGTCACCCTGGATAG GCAAGGGATAACTCTTCTAACACAA
2295	db mining	Hs.83326	NM_002422	13027803	matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3), mRNA /cds=(63,1496)	1	GGGAAGCACTCGTGTGCAACAGACA AGTGACTGTATCTGTGTAGACTATT
2296	db mining	Hs.2256	NM_002423	13027804	uterine) (MMP7), mRNA /cds=(47,850)	1	TCTATGAGCTTTGTCAGTGCGCGTAG ATGTCAATAAATGTTACATACACA
2297	db mining	Hs 73862	NM_002424	4505220	matrix metalloproteinase 8 (neutrophil collagenase) (MMP8), mRNA /cds=(71,1474)	1	ATATGGTGCTGTTTTCTACCCTTGGA AAGAAATGTAGATGATATGTTTCG
2298	db mining	Hs 2258	NM_002425	4505204	(stromelysin 2) (MMP10), mRNA	1	TTGCTAGGCGAGATAGGGGGAAGAC AGATATGGGTGTTTTTAATAAATCT
2299	db mining	Hs.1695	NM_002426	4505206	(macrophage elastase) (MMP12),	1	AAGTTGCTTCCTAACATCCTTGGACT GAGAAATTATACTTACTTCTGGCA
2300	db mining	Hs 2936	NM_002427	13027796	(collagenase 3) (MMP13), mRNA	1	CTCAGGCAAAGAAAATGAAATGCATA TTTGCAAAGTGTATTAGGAAGTGT TGGAAGAGAGGAATAAATAA
2301		Hs 82380	NM_002431		menage a trois 1 (CAK assembly factor) (MNAT1), mRNA /cds=(34,963)	1	TATATGTGTTTGAGGTTGTGACAG GCCTGAGCAAAGGGCCTGCCCAGAC
2302		Hs.79396	NM_002434		N-methylpurine-DNA glycosylase (MPG), mRNA /cds=(146,1042)	1	AAGATTTTTTAATTGTTTAAAAACC AAATGACACATCTGTGCAATAGAATG
2303		Hs 1861	NM_002436	6006024	(55kD) (MPP1), mRNA /cds=(115,1515)	1	ATGTCTGCTCTAGGGAAACCTTCA ATATTTTTATTTGTTTCAGTTCAG
2304		Hs 42674	NM_002439	450524	mRNA /cds=(16,3402)	1	ATTGGCAACTGGGTGAATCTGGC TTCCCAGGACCGAACAAGTTCCAGAA
2305		Hs.11524	_	450525	mRNA /cds=(41,2851)	1	AAGACTGAAGAATAATCACAATTC TTCCTTATCTCCCTCAGACGCAGAGT
2306	3 literature	Hs 11219	3 NM_002441	450525	in the class III region of the major histocompatibility complex		TTTTAGTTTCTCTAGAAATTTTGT
2307	7 Table 3A	Hs 28874	2 NM_002444	450525	6 cDNA: FLJ22712 fis, clone HSI13435 /cds=UNKNOWN	1	TTTTGGAGGGGTTTATGCTCAATCCA TGTTCTATTTCAGTGCCAATAAAA

Table 8

	2308	literature	Hs 388	NM_002452		nudix (nucleoside diphosphate linked moiety X)-type motif 1 (NUDT1), mRNA	1	CATTGAGTGGCGCAGAGCCGGGTTT CATCTGGAATTAACTGGATGGAAGG
F,	2309	Table 3A	Hs 82132	NM_002460	4505286	/cds=(26,496) interferon regulatory factor 4 (IRF4), mRNA /cds=(105,1460)	1	TGGAAATTCCCGTGTTGCTTCAAACT GAGACAGATGGGACTTAACAGGCA
	2310	Table 3A	Hs.82132	NM_002460		interferon regulatory factor 4 (IRF4),	1	TGGAAATTCCCGTGTTGCTTCAAACT GAGACAGATGGGACTTAACAGGCA
						mRNA /cds=(105,1460)		
	2311	Table 3A	Hs 76391	NM_002462	4505290	myxovirus (ınfluenza) resistance 1,	1	CGTCCTGCGGAGCCCTGTCTCCTCT
						homolog of murine (interferon-inducible		CTCTGTAATAAACTCATTTCTAGCC
						protein p78) (MX1), mRNA		
	2312	Table 3A	Hs.926	NM_002463	11342663	myxovirus (influenza) resistance 2,	1	TTTCCCTGATTATGATGAGCTTCCATT
				_		homolog of murine (MX2), mRNA		GTTCTGTTAAGTCTTGAAGAGGA
						/cds=(104,2251)		
	2212	Table 3A	Hs 79070	NM_002467	12962934	v-myc avian myelocytomatosis viral	1	CAAATGCAACCTCACAACCTTGGCTG
	2313	Table 3A	113 / 30/ 0	14141_002-107	.200200.	oncogene homolog (MYC), mRNA		AGTCTTGAGACTGAAAGATTTAGC
						/cds=(558,1877)		
			11- 040000	NINE 000400	4505222	nuclear autoantigenic sperm protein	1	GGGACACTGGAGGCTGGAGCTACAG
	2314	Table 3A	Hs.243886	NM_002482	4505552		•	TTGAAAGCACTGCATGTTAAGAGGG
						(histone-binding) (NASP), mRNA		110,000,000,000,000
						/cds=(85,2448)	4	TCTGTCATGCCCACAATCCCTTTCTA
	2315	Table 3A	Hs.25812	NM_002485	6996019	Nijmegen breakage syndrome 1	1	AGGAAGACTGCCCTACTATAGCAG
						(nibrin) (NBS1), mRNA /cds=(52,2316)		
	2316	Table 3A	Hs.19236	NM_002492	4505362	NADH dehydrogenase (ubiquinone) 1	1	GGAGAAATAGGAATTTGTGAACCCCT
÷						beta subcomplex, 5 (16kD, SGDH)		AAAATTGTAGCAACTTTGAAAGGT
:						(NDUFB5), mRNA /cds=(6,575)		
:	2317	Table 3A	Hs.10758	NM_002495	4505368	NADH dehydrogenase (ubiquinone) Fe-	1	ACAAGAGTATCCACAAAATAGGTTGG
				-		S protein 4 (18kD) (NADH-coenzyme Q		CACTGACTATATCTCTGCTTGACT
:						reductase) (NDUFS4), mRNA		
i	2318	literature	Hs 1827	NM_002507	4505392	nerve growth factor receptor (TNFR	1	GCCCTCCTGAAACTTACACACAAAAC
	2310	inciatore	113 1027	1111,_002001		superfamily, member 16) (NGFR),		GTTAAGTGATGAACATTAAATAGC
						mRNA /cds=(113,1396)		
:	0040	Table 04	un coore	NM_002510	4505404		1	AAACCATCTACTATATGTTAGACATGA
į	2319	Table 3A	Hs 82226	14141_002310	4505404	(GPNMB), mRNA /cds=(91,1773)	•	CATTCTTTTCTCTCCTTCCTGA
:			11- 044	NIM DODEAS	4505424		1	GTGTATCTCGTGGAATCAGTGGTTAG
į	2320	Table 3A	Hs.214	NM_002515	4505424	(NOVA1), transcript variant 1, mRNA	•	CATTGCCGCTATTATATTTACTCA
								5.117.5555
					4505400	/cds=(60,1592)	1	TTGTGATGTTAAGAAATTTGTATGGT
•	2321	Table 3A	Hs 89385	NM_002519	4505430	nuclear protein, ataxia-telangiectasia locus (NPAT), mRNA /cds=(34,4317)	•	GTGGCAGTGGTCTATTCCTAAGGA
}							1	CGGATGACTGACCAAGAGGCTATTCA
	2322	Table 3A	Hs.9614	NM_002520	10835062		•	AGATCTCTGGCAGTGGAGGAAGTC
•						phosphoprotein B23, numatrin) (NPM1),		AGATOTOTOGGAGTOGAGGARGTO
ļ						mRNA /cds=(0,884)		CCTAAATCTGTGTGTGTATTGTGAAG
	2323	Table 3A	Hs.153952	NM_002526	4505466	• • • • • • • • • • • • • • • • • • • •	1	
;						/cds=(49,1773)		TGGTATAAGAAATGACTTTGAACC
	2324	Table 3A	Hs.66196	NM_002528	6224977		1	CAGGCTGAGGTGGACCAAGAAGGCA
						(NTHL1), mRNA /cds=(0,938)		ACCAAGTCCCCAGAGGAGACCCGCG
								0.0000000000000000000000000000000000000
	2325	Table 3A	Hs.264981	NM_002535	4505484		1	GAATGTAGGGAAGAGGTGCCAAGCC
						71 kD) (OAS2), transcript variant 2,		AACCGTGGGGTTAGCTCTAATTATT
						mRNA /cds=(19,2082)	_	
	2326	Table 3A	Hs.74563	NM_002537	9845506	ornithine decarboxylase antizyme 2	1	ACGGGGATGTCAGGGAGGCAAGTGT
						(OAZ2), mRNA /cds=UNKNOWN		GTTGTGTTACTGTGTCAATAAACTG
	2327	Table 3A	Hs 75212	NM_002539	4505488	ornithine decarboxylase 1 (ODC1)	1	GGCAGAATGGGCCAAAAGCTTAGTG
				_		mRNA /cds=(334,1719)		TTGTGACCTGTTTTTAAAATAAAGT
	2328	literature	Hs.96398	NM 002542	7949101	8-oxoguanine DNA glycosylase	1	CAAGATGGGGTGGGGATATTGAGG
				_		(OGG1), nuclear gene encoding		GAGACAGCGCTAAGGATGGTTTTAT
						mitochondrial protein, transcript variant		
						1b, mRNA /cds=(1266,2240)		
	2329	Table 3A	Hs.77729	NM_002543	4505500		1	TAGGCTTCTATTTCCTTTCCACCCACT
						like) receptor 1 (OLR1), mRNA		CTTCACAGGCTATTCTACTTTAA
	2330	literature	Hs.81791	NM_002546	4507566	tumor necrosis factor receptor	1	GGTAACCAGGTCCAATCAGTAAAAAT
		moratar o	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			superfamily, member 11b		AAGCTGCTTATAACTGGAAATGGC
						(osteoprotegerin) (TNFRSF11B),		
	2331	Table 3A	Hs.172182	NM_002568	4505574		1	TCTGTTTTAAGTAACAGAATTGATAAC
	2331	Table on	113.172102	. 14111_002000	400001	(PABPC1), mRNA /cds=(502,2403)		TGAGCAAGGAAACGTAATTTGGA
	2222	Table 3A	Hs 75716	NM 002575	4505594	serine (or cysteine) proteinase inhibitor,	1	TGCCTTTAATTGTTCTCATAATGAAGA
	2332	Table 3A	HS 73710	NW_002373	730000	clade B (ovalbumin), member 2		ATAAGTAGGTACCCTCCATGCCC
						(SERPINB2), mRNA /cds=(72,1319)		
		T-61- 04	115 400	NIKA GOGGOO	AFOEGG	phosphodiesterase 4B, cAMP-specific	1	TGCCATTAAGCAGGAATGTCATGTTC
	2333	Table 3A	Hs 188	NM_002600	4303002	(dunce (Drosophila)-homolog	•	CAGTTCATTACAAAAGAAAACAAT
								<u> </u>
						phosphodiesterase E4) (PDE4B),		
						mRNA /cds=(765,2459)	1	ACCTGTTTTGTATACCTGAGAGCCTG
	2334	literature	Hs.37040	NM_002607	4505678		ı	CTATGTTCTTCTTTTGTTGATCCA
						polypeptide (PDGFA), mRNA		3.7.13.7.3.7.3.7.3.7.3.7.3.7.3.7.3.7.3.7
						/cds=(403,993)		

Table 8

2335	literature	Hs 1976	NM_002608	4505680	platelet-derived growth factor beta polypeptide (simian sarcoma viral (v- sis) oncogene homolog) (PDGFB), mRNA /cds=(1022,1747)	1	CTGCTTCCTTCAGTTTGTAAAGTCGG TGATTATATTTTTGGGGGGCTTTCC
2336	literature	Hs 81564	NM_002619		platelet factor 4 (PF4), mRNA /cds=(7,312)	1	AGCATACTTCTTTTTTCCAGTTTCAAT CTAACTGTGAAAGAAACTTCTGA
2337	Table 3A	Hs.53155	NM_002621	4505736	properdin P factor, complement (PFC), mRNA /cds=(242,1651)	1	GAACTCTAACACTTCTCTCCTCCACT CTGAGCCCCCTGACCTTCCAAACC
2338	literature	Hs 99910	NM_002627	11321600	phosphofructokinase, platelet (PFKP), mRNA /cds=(33,2387)	1	CCAGTGCGTGCTGTCTGTGGAGTGT GTCTCATGCTTTCAGATGTGCATAT
2339	Table 3A	Hs.181013	NM_002629	4505752	phosphoglycerate mutase 1 (brain) (PGAM1), mRNA /cds=(31,795)	1	CCCTGCCACATGGGTCCAGTGTTCAT CTGAGCATAACTGTACTAAATCCT
2340	Table 3A	Hs.78713	NM_002635	4505774	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3 (SLC25A3), nuclear gene encoding mitochondrial protein, transcript variant 1b, mRNA /cds=(48,1133)	1	TGCTTAAGGCAAGAGTTTCAGATTTA CTGTTGAAATAAACCCAACTGTTC
2341	Table 3A	Hs.166204	NM_002636	13435395	PHD finger protein 1 (PHF1), transcript variant 2, mRNA /cds=(215,1918)	1	CCTGACCCCTCCCATCCTTCCCATTT CCTTTGATGTTATTTTGTTACAGC
2342	Table 3A	Hs.112341	NM_002638	4505786	protease inhibitor 3, skin-derived (SKALP) (PI3), mRNA /cds=(119,472)	1	TAAGTCCCTGCTGCCCTTCCCCTTCC CACACTGTCCATTCTTCCTCCCAT
2343	Table 3A	Hs.250697	NM_002643	4505796	ras-like protein (TC10), mRNA /cds=(0,641)	1	TGATGTGATTGTAGCTTTTTAAACTAT GAAACCCCTGAGAGATTGTACCT
2344	db mining	Hs.32942	NM_002649	4505802	phosphoinositide-3-kinase, catalytic, gamma polypeptide (PIK3CG), mRNA /cds=(323,3628)	1	CCCAAAGGTTCCTAAGCCTGGCTGCA AAGAAGAATCAACAGGGACACTTT
2345	Table 3A	Hs 154846	NM_002651	4505808	phosphatidylinositol 4-kınase, catalytic, beta polypeptide (PIK4CB), mRNA /cds=(69,2555)	1	TAGAAGTTTGCTTTTTCCCTGCCTGT CTTGGTCACTACCACCTCTTCCCT
2346	Table 3A	Hs.77274	NM_002658	4505862		1	TGACCAGCACTGTCTCAGTTTCACTT TCACATAGATGTCCCTTTCTTGGC
2347	Table 3A	Hs 179657	NM_002659	4505864	plasminogen activator, urokinase receptor (PLAUR), mRNA	1	CTGCCCATCTCAGCCTCACCATCACC CTGCTAATGACTGCCAGACTGTGG
2348	Table 3A	Hs.77436	NM_002664	4505878	pleckstrin (PLEK), mRNA /cds=(60,1112)	1	TTCCTGAAGCTGTTCCCACTCCCAGA TGGTTTTATCAATAGCCTAGAGGT
2349	Table 3A	Hs.44499	NM_002687	4505922	pinin, desmosome associated protein (PNN), mRNA /cds=(30,2261)	1	GGATTACCTTTCCTTGTAAAGAGGAT GCTGCCTTAAGAATTGCATGTTGT
2350	Table 3A	Hs.180107	NM_002690	4505930	(POLB), mRNA /cds=(113,1120)	1	GGGTCTTTGGTGTTTTTAAATGATTGT TTCTTCTTCATGCTTTTGCTTGC
2351	literature	Hs.99890	NM_002691	4505932	polymerase (DNA directed), delta 1, catalytic subunit (125kD) (POLD1), mRNA /cds=(53,3376)	1	CATGGGGCGGGGGGGGACCAGGG AGAATTAATAAAGTTCTGGACTTTTG
2352	Table 3A	Hs.334828	AB058697	14017804	mRNA for KIAA1794 protein, partial cds /cds=(1592,4000)	1	ATTTAAAGCACAGTTTGTTTTTCTGTC ACCTATAGAGTGCAAGAATGCAC
2353	Table 3A	Hs.79402	NM_002694	14702172	polymerase (RNA) II (DNA directed) polypeptide C (33kD) (POLR2C), transcript variant gamma, mRNA	1	CAGCACTGTCTCCAGATAGGAACATG CACAAAGCAGTTAATTAGGCAGCC
2354	Table 3A	Hs.1101	NM_002698	4505958	· -	1	CTCCCCTCCCATTCCTCTGGTCCCTG CCTTGGTCCCTTGCCTGGGAAGAG
2355	Table 3A	Hs.2164	NM_002704	4505980	pro-platelet basic protein (includes platelet basic protein, beta- thromboglobulin, connective tissue- activating peptide III, neutrophil- activating peptide-2) (PPBP), mRNA	1	AAGGTTGGTTAAAAGATGGCAGAAAG AAGATGAAAATAAATAAGCCTGGT
2356	Table 3A	Hs.17883	NM_002707	4505998		1	CTCATCACCGGTTCTGTGCCTGTGCT CTGTTGTGTTGGAGGGAAGGACTG
2357	Table 3A	Hs 77876	NM_002709	4506004		1	TTTGCTTGGCAACACGACTTGAAATA AATAAAACTTTGTTTCTTAGGAGA
2358	Table 3A	Hs.79081	NM_002710	4506006	protein phosphatase 1, catalytic subunit, gamma isoform (PPP1CC), mRNA /cds=(154,1125)	1	AAAAGAAATCTGTTTCAACAGATGAC CGTGTACAATACCGTGTGGTGAAA
2359	Table 3A	Hs 36587	NM_002712	4506012	protein phosphatase 1, regulatory subunit 7 (PPP1R7), mRNA	1	GACGCCACACACCATTTTCAGATGCC GTTGCAATTAAATCTTGCCACACT
2360	Table 3A	Hs.179574	NM_002717	4506018		1	ATGTTTTAGTAACAGTTGGCTGTAAT CACTCCTCGCCGTGTCTGGCACTG
2361	Table 3A	Hs.171734	NM_002719	4506022	• • • • • • • • • • • • • • • • • • • •	1	AGTTCTGCGTTTGGCATCTTCACTCT TTCCAAAATGTATCTGTACATCAG
2362	Table 3A	Hs.1908	NM_002727	4506044		1	TGTGTTTGCAGAGCTAGTGGATGTGT TTGTCTACAAGTATGATTGCTGTT

Table 8

2363	Table 3A	Hs 183037	NM_002734		protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) (PRKAR1A), mRNA /cds=(87,1232)	1	AAATCTGGGGAAGAGGTTTTATTTAC ATTTTAGGGTGGGTAAGAAAGCCA
2364	Table 3A	Hs.2499	NM_002741	4506072	protein kınase C-like 1 (PRKCL1), mRNA /cds=(84,2912)	1	CAGAGCGGAGGCTGGGATCTAGCGA GAGAGATGCAGAAGATGTGAAGAAA
2365	literature	Hs 324473	NM_002745	4506086	40 kDa protein kinase related to rat ERK2 /cds=(134,1180)	1	CGTTTGGAGGGGGGGGTTTCTGGTAG TTGTGGCTTTTATGCTTTCAAAGAA
2366	literature	Hs.267445	NM_002750	4506094	mRNA; cDNA DKFZp434B231 (from clone DKFZp434B231)	1	GGGGTGGGAGGGATGGGAGTCGG TTAGTCATTGATAGAACTACTTTGAA
2367	literature	Hs 274382	NM_002759	4506102	protein kinase, interferon-inducible double stranded RNA dependent (PRKR), mRNA /cds=(435,2090)	1	TGCAGAAACAGAAAGGTTTTCTTCTT TTTGCTTCAAAAACATTCTTACAT
2368	db mining	Hs.56	NM_002764	4506126	phosphoribosyl pyrophosphate synthetase 1 (PRPS1), mRNA	1	AGATTAACTGCTGGACCTCCTACCTG CATTATCTCATTCTGGCTTCCTTG
2369	Table 3A	Hs.82159	NM_002786	4506178	synthetics (Price of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of	1	CTTTGTGGTTTTAAAGACAACTGTGA AATAAAATTGTTTCACCGCCTGGT
2370	Table 3A	Hs.167106	NM_002788	4506182	proteasome (prosome, macropain) subunit, alpha type, 3 (PSMA3), mRNA /cds=(5,772)	1	GAACTCAGCTGGGTTGGTGAATTAAC TAATGGAAGACATGAAATTGTTCC
2371	Table 3A	Hs.251531	NM_002789	4506184	proteasome (prosome, macropain) subunit, alpha type, 4 (PSMA4), mRNA /cds=(59,844)	1	ACGATGATGGTTACCCTTCATGGACG TCTTAATCTTCCACACACATCCCC
2372	Table 3A	Hs 76913	NM_002790	4506186	proteasome (prosome, macropain) subunit, alpha type, 5 (PSMA5), mRNA /cds=(21,746)	1	TTCAGTTCTAATAATGTCCTTAAATTT TATTTCCAGCTCCTGTTCCTTGG
2373	Table 3A	Hs.233952	NM_002792	4506188	proteasome (prosome, macropain) subunit, alpha type, 7 (PSMA7), mRNA /cds=(24,770)	1	GCCTTTCCATTCCATTTATTCACACTG AGTGTCCTACAATAAACTTCCGT
2374	Table 3A	Hs.89545	NM_002796	4506198	proteasome (prosome, macropain) subunit, beta type, 4 (PSMB4), mRNA /cds=(23,817)	1	TGCATTATCCAGAACTGAAGTTGCCC TACTTTTAACTTTGAACTTGGCTA
2375	Table 3A	Hs.118065	NM_002799	4506202		1	GCCCAGTAAGACACTCATGTGGCTAG TGTTTGCCGAATGAAACTCAACTC
2376	Table 3A	Hs.61153	NM_002803	4506208	proteasome (prosome, macropain) 26S subunit, ATPase, 2 (PSMC2), mRNA /cds=(66,1367)	1	TAAGTCTTATGCCAAATTCAGTGCTA CTCCTCGTTACATGACATACAACT
2377	Table 3A	Hs.79387	NM_002805	4506212	proteasome (prosome, macropain) 26S subunit, ATPase, 5 (PSMC5), mRNA /cds=(0,1220)	1	AAGTGAGTGGACAGCCTTTGTGTGTA TCTCTCCAATAAAGCTCTGTGGGC
2378	Table 3A	Hs.341867	NM_002807	4506224	zt72b08.r1 cDNA, 5' end /clone=iMAGE:727863 /clone_end=5'	1	TCTCCAAGTCTTTGGTTGAAGAGAAG ATATATGACTGTTGAGTGTGCTCT
2379	Table 3A	Hs.74619	NM_002808	4506226	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2 (PSMD2), mRNA /cds=(112,2673)	1	GGGGAATTGTCGCCCTCCTGCTCTTTT GTTACTGAGTGAGATAAGGTTGTT
2380	Table 3A	Hs.155543	NM_002811	4506230	subunit, non-ATPase, 7 (Mov34 homolog) (PSMD7), mRNA	1	TGGCATCCTCAGGGGTTGTGATCCA GCTCCATATATTGTTTACCTTCAAA
2381	Table 3A	Hs.78466	NM_002812	4506232	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8 (PSMD8), mRNA /cds=(70,843)	1	CGGGCACTGGGTGGGCAGGCAC GAGTTATTTAAAACAGTTACACTGCA
2382	Table 3A	Hs.306328	NM_002817	4506222	mRNA activated in tumor suppression, clone TSAP13 extended	1	CGGACATCTTTTCCGTTGCGGTTTGA GAATGTTCCTATAATAAACCCCTC
2383	Table 3A	Hs.250655	NM_002823	4506276	prothymosin, alpha (gene sequence 28) (PTMA), mRNA /cds=(155,487)	1	TTTGGCCTGTTTTGATGTATGTGTGA AACAATGTTGTCCAACAATAAACA
2384	Table 3A	Hs.155894	NM_002827	4506288		1	AGCGAGCTGCTCTGCTATGTCCTTAA GCCAATATTTACTCATCAGGTCAT
2385	Table 3A	Hs 82829	NM_002828	4506290		1	TGTAGTTGGGGTAGATTATGATTTAG GAAGCAAAAGTAAGAAGCAGCATT
2386	Table 3A	Hs.63489	NM_002831	4506296		1	GCGATGGACAGACTCACAACCTGAA CCTAGGAGTGCCCCATTCTTTTGTA
2387	Table 3A	Hs.35	NM_002832	4506298		1	GCTCAGGAGGGTACAAGCTCCAGAA CAGTAACCAAGTGGGAAAATAAAGA
2388	Table 3A	Hs.62	NM_002835	4506286		1	CTGGATTCATGCAGCCAGCTTTGCAG GTTATCAGAGATCAAAGATTGTAA
2389	Table 3A	Hs.26045	NM_002836	4506302		1	TATCATGGGAGTAATAGGACCAGAG CGGTATCTCTGGCACCACACTAGC
2390	Table 3A	Hs.170121	NM_002838	4506306		1	CTGTGGAAAAATATTTAAGATAGTTTT GCCAGAACAGTTTGTACAGACGT
2391	Table 3A	Hs.2050	NM_002852	4506332	pentaxin-related gene, rapidly induced by IL-1 beta (PTX3), mRNA	1	ACTCTCAAATAATTAAAAAGGACTGTA TTGTTGAACAGAGGGACAATTGT
2392	literature	Hs.7179	NM_002853	4506384		1	AACTCATGGGAATAATTGTGAGTCAG CGTAACATTTCAAGAGTCTAAAGG

	Table 3A	Hs 151536	NM_002870		RAB13, member RAS oncogene family (RAB13), mRNA /cds=(139,750)	1	TGCTCCTGTTCTGTCACTTGTCATGG TCTTTCTTGGTATTAAAGGCCACC GGGGTTGTAAATATCAACTATTCAAC
2394	literature	Hs.16184	NM_002873		RAD17 (S pombe) homolog (RAD17), mRNA /cds=(642,2654)	1	AGTTTAGGATGCAATTACGAGTGT
2395	literature	Hs 23044	NM_002875		Homo sapiens, Similar to RIKEN cDNA 2610036L13 gene, clone MGC.16386 IMAGE 3938081, mRNA, complete cds /cds=(82,840)	1	AATCTTATGTTTCCAAGAGAACTAAA GCTGGAGAGACCTGACCCTTCTCT
2396	literature	Hs 11393	NM_002876	4506390	RAD51 (S. cerevisiae) homolog C (RAD51C), mRNA /cds=(16,423)	1	TGCACCAGGTGTTGGAAAAACACAAT TATGGTAAAATAAAGTGTTCTCCT
2397	literature	Hs.100669	NM_002877	10835028	RAD51 (S. cerevisiae)-like 1 (RAD51L1), mRNA /cds=(70,1122)	1	AATGGGCACACAGGGAACAGGAAAT GGGAATGAGAGCAAGGGTTGGGTT
2398	literature	Hs.125244	NM_002878	4506392	RAD51 (S. cerevisiae)-like 3 (RAD51L3), mRNA /cds=(124,993)	1	TCTTCTTCATCTCTGTTTTGCTCTTAA AAATATAAAAAAGGCAATTCCCCG
2399	literature	Hs.89571	NM_002879		RAD52 (S cerevisiae) homolog (RAD52), mRNA /cds=(31,1290)	1	AGATGTAACCCACCTTGACCATAAAT TGGCTTTTCATAGTGCTCAGATGT
2400	Table 3A	Hs.279474	NM_002880	8850222	HSPC070 protein (HSPC070), mRNA /cds=(331,1581)	1	CTAGGCTCTGGGCACATTTCCTGTTC TTGAATTCTGCTCCTGAAGAGGGT
2401	Table 3A	Hs.24763	NM_002882	6382077	RAN binding protein 1 (RANBP1)	1	TACCCTGCCCCTCTTTTTCGGTTTGT TTTTATTCTTTCATTTTTACAAGG
2402	Table 3A	Hs.758	NM_002890	4506430	RAS p21 protein activator (GTPase activating protein) 1 (RASA1), transcript variant 1, mRNA /cds=(118,3261)	1	GCTGCCTAACTTATCCATCTTTGAAC TTCTGACTACTTGTTGTATCTGCT
2403	Table 3A	Hs.29287	NM_002894	4506440	retinoblastoma-binding protein 8 (RBBP8), mRNA /cds=(298,2991)	1	CCTTTAAAACAATAAGGCGCTTTCATT TTGCACTCTAACTTAAGAGTTTT
2404	Table 3A	Hs.6106	NM_002896	4506444	RNA binding motif protein 4 (RBM4), mRNA /cds=(55,1155)	1	TCCTGCCTCCTGCGGCTGTTGGATTT GGGAATGACCTTGGTGAGAGTCTC
2405	Table 3A	Hs.167791	NM_002901	4506454	reticulocalbin 1, EF-hand calcium binding domain (RCN1), mRNA	1	ATACTCTGAGCTGTGGACTGAACTGG CAGACACAACCTGTACAGATTGAA
2406	literature	Hs.115521	NM_002912	4506482	REV3 (yeast homolog)-like, catalytic subunit of DNA polymerase zeta (REV3L), mRNA /cds=(822,9980)	1	AAGGAATTATGTGGTCAGTGCATTGT TTTTTAAACTGGAAATCATTTTGT
2407	Table 3A	Hs.75256	NM_002922	4506514	regulator of G-protein signalling 1 (RGS1), mRNA /cds=(14,604)	1	TGCTCTTAAAACCAGGGAGTCAGATA TATTTGTAAGGTTAAATCATTGGT
2408	Table 3A	Hs.78944	NM_002923	4506516	regulator of G-protein signalling 2, 24kD (RGS2), mRNA /cds=(32,667)	1	GCCAAAAATCTGTCTTGAAGGCAGCT ACACTTTGAAGTGGTCTTTGAATA
2409	Table 3A	Hs.82280	NM_002925	11184225		1	CCTCTCAGGACGTGCCGGGTTTATCA TTGCTTTGTTATTTGTAAGGACTG
2410	Table 3A	Hs.1010	NM_002932	4506544		1	TGACTATCTGTAATGGATCAATTTTG GATATGACTTTGGGTGGGGGGTAAA
2411	Table 3A	Hs.84318	NM_002945	4506582		1	CGAGCTGAGAAGCGGTCATGAGCAC CTGGGGATTTTAGTAAGTGTGTCTT
2412	Table 3A	Hs.79411	NM_002946	4506584	` `	1	GGTAGTGCCTCCAGGGGCAGAGGAA AAGAAGAAGTGTTACTGCATTTTGT
2413	literature	Hs.1608	NM_002947	4506586		1	ATGGTCAGATTAGATGCAAGAATAAA GCAGTTGTCCGAGTCTAAGTTTCT
2414	Table 3A	Hs.2280	NM_002950	4506674	* * *	1	TGGTATTCTGTTCTGAAGTCTAGGAT ATTTTTCAGCCTATAAAGCCCCCT
2415	Table 3A	Hs.169476	NM_002951	4506676	Homo sapiens, glyceraldehyde-3- phosphate dehydrogenase, clone MGC:10926 IMAGE:3628129, mRNA,	1	ACTTACCCAGATGTTGCTTTTGAAAA GTTGAAATGTGTAATTGTTTTGGA
2416	Table 3A	Hs.182426	NM_002952	4506718	complete cds /cds=(2306,3313) ribosomal protein S2 (RPS2), mRNA /cds=(11,892)	1	AGCGGACTCAGGCTCCAGCTGTGGC TACAACATAGGGTTTTTTATACAAGA
2417	Table 3A	Hs.3297	NM_002954	4506712	ribosomal protein S27a (RPS27A), mRNA /cds=(38,508)	1	TTATTGTGGCAAATGTTGTCTGACTTA CTGTTTCAACAAACCAGAAGACA
2418	db mining	Hs.20084	NM_002957	10862707		1	TGGACAGTAGCATTAGAATTGTGGAA AAGGAACACGCAAAGGGAGAAGTG
2419	Table 3A	Hs.79350	NM_002958	11863158	RYK receptor-like tyrosine kinase (RYK), mRNA /cds=(103,1917)	1	CTGGTAAATTTTGTGCTTATCTTCAAG GCTGGCTTAAGTATAAAATTGTT
2420	Table 3A	Hs.81256	NM_002961	9845514	S100 calcium-binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog)	1	CCCTGGCTCCTTCAGACACGTGCTTG ATGCTGAGCAAGTTCAATAAAGAT
2421	Table 3A	Hs.100000	NM_002964	9845519	(S100A4), transcript variant 1, mRNA S100 calcium-binding protein A8 (calgranulin A) (S100A8), mRNA /cds=(55,339)	1	GTTAACTTCCAGGAGTTCCTCATTCT GGTGATAAAGATGGGCTGGCAGCC
2422	Table 3A	Hs.23978	NM_002967	4506778		1	CCTGTCTCGTGGCAACAAGGCTATGT TCTGTTAGGAGTTACCTTAAACTG
2423	Table 3A	Hs.28491	NM_002970	4506788	spermidine/spermine N1- acetyltransferase (SAT), mRNA	1	AGTCAGATCTTTCTCCTTGAATATCTT TCGATAAACAACAAGGTGGTGTG
2424	Table 3A	Hs 74592	NM_002971	4506790	· · · · · · · · · · · · · · · · · · ·	1	TCCTATAATTATTTCTGTAGCACTCCA CACTGATCTTTGGAAACTTGCCC

2425	Table 3A	Hs 112842	NM_002978		sodium channel, nonvoltage-gated 1, delta (SCNN1D), mRNA /cds=(0,1916)	1	CCACGGGTGATGCTTCCAGGGGTTC TGGCGGGAGTCTCAGCCGAAGAGAG
2426	Table 3A	Hs 303649	NM_002982		small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je) (SCYA2), mRNA /cds=(53,352)	1	GAAATTGCTTTTCCTCTTGAACCACA GTTCTACCCCTGGGATGTTTTGAG
2427	Table 3A	Hs.73817	NM_002983	4506842	small inducible cytokine A3 (homologous to mouse Mip-1a)	1	ACCAGACTGACAAATGTGTATCGGAT GCTTTTGTTCAGGGCTGTGATCGG
2428	Table 3A	Hs.75703	NM_002984	4506844	(SCYA3), mRNA /cds=(83,361) small inducible cytokine A4 (homologous to mouse Mip-1b) (SCYA4), mRNA /cds=(108,386)	1	CCACTGTCACTGTTTCTCTGCTGTTG CAAATACATGGATAACACATTTGA
2429	db mining	Hs 66742	NM_002987	4506828	(SCTA4), filk(Na/CdS-(105,000) small inducible cytokine subfamily A (Cys-Cys), member 17 (SCYA17), mRNA /cds=(52,336)	1	CGAAGAAGAGCCACAGTGAGGGAGA TCCCATCCCCTTGTCTGAACTGGAG
2430	cytokine arrays	Hs 57907	NM_002989	4506834	small inducible cytokine subfamily A (Cys-Cys), member 21 (SCYA21), mRNA /cds=(58,462)	1	GACCTGATACGGCTCCCCAGTACAC CCCACCTCTTCCTTGTAAATATGAT
2431	Table 3A	Hs.97203	NM_002990	4506836	small inducible cytokine subfamily A (Cys-Cys), member 22 (SCYA22), mRNA /cds=(19,300)	1	CTCAAGCGTCCTGGGATCTCCTTCTC CCTCCTGTCCTGT
2432	Table 3A	Hs.247838	NM_002991	4506838	small inducible cytokine subfamily A (Cys-Cys), member 24 (SCYA24), mRNA /cds=(0,359)	1	CCTCAAGGGAGGAGTGATCTTCACCA CCAAGAAGGGCCAGCAGTTCTGTG
2433	Table 3A	Hs.164021	NM_002993	4506850	small inducible cytokine subfamily B (Cys-X-Cys), member 6 (granulocyte chemotactic protein 2) (SCYB6), mRNA /cds=(63,407)	1	TCCTGTGTGTCATGTTGGTTTTTGGT ACTTGTATTGTCATTTGGAGAAAC
2434	Table 3A	Hs.89714	NM_002994	4506848	small inducible cytokine subfamily B (Cys-X-Cys), member 5 (epithelial-derived neutrophil-activating peptide 78) (SCYB5), mRNA /cds=(106,450)	1	TCCTGTGATGGAAATACAACTGGTAT CTTCACTTTTTTAGGAATTGGGAA
2435	Table 3A	Hs.3195	NM_002995	4506852	small inducible cytokine subfamily C, member 1 (lymphotactin) (SCYC1), mRNA /cds=(20,364)	1	AATTTGCAGTAAACTTTTAATTAAATG CTCATCTGGTAACTCAACACCCC
2436	Table 3A	Hs.3577	NM_003001	9257243	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	1	GCTGCTTTTGAGGAGAAAATATATAG CTTTGGACACGAGGAAGATCTAGA
2437	Table 3A	Hs.168289	NM_003002	4506864		1	AAACGCTTGGAGTGCTTCTGAATATA CAGAAGTTCCATTTAAGGGCAAGT
2438	Table 3A	Hs.75232	NM_003003	4506866	SEC14 (S cerevisiae)-like 1 (SEC14L1), mRNA /cds=(303,2450)	1	TGCATCGTGTTTCTACCTTTAGTACCT TGCCACTCTTTTAAAACGCTGCT
2439	Table 3A	Hs.73800	NM_003005	6031196		1	GACCTTCCTGCCACCAGTCACTGTCC CTCAAATGACCCAAAGACCAATAT
2440	Table 3A	Hs.79283	NM_003006	6031197		1	AGACCTTTCTTTGGGACTGTGTGGAC CAAGGAGCTTCCATCTAGTGACAA
2441	Table 3A	Hs.75217	NM_003010	4506888	mitogen-activated protein kinase	1	GCTCAGTAACATAACTGCTTCTTGGA GCTTTGGAATATTTTATCCTGTAT
2442	Table 3A	Hs 145279	NM_003011	4506890	kinase 4 (MAP2K4), mRNA SET translocation (myeloid leukemia-	1	TTCTGCACAGGTCTCTGTTTAGTAAA TACATCACTGTATACCGATCAGGA
2443	Table 3A	Hs 73965	NM_003016	4506898		1	CGGGCCTTGCATATAAATAACGGAGC
2444	Table 3A	Hs.14368	NM_003022	4506924	(SFRS2), mRNA /cds=(155,820) SH3 domain binding glutamic acid-rich protein like (SH3BGRL), mRNA	1	ATACAGTGAGCACATCTAGCTGAT AGAGATGCCTTTGTTTGATGAGATTC AAACTTGATGCTATGCT
2445	Table 3A	Hs 2554	NM_003032	4506948	/cds=(78,422) sialyltransferase 1 (beta-galactoside alpha-2,6-sialytransferase) (SIAT1), mRNA /cds=(310,1530)	1	AGTCCCATTCTTCCTTTTCAATACCTA CCCCCAAATCTTCTCCTAACCCT
2446	Table 3A	Hs 323032	NM_003035	4506958	TAL1 (SCL) interrupting locus (SIL),	1	TGTCACACTGGCTATCAAAGAATAAG AAAATTATTGAGTATGAGTGTGTT
2447	Table 3A	Hs.32970	NM_003037	4506968	0 0 1 , 1	1	GCAAAACCCAGAAGCTAAAAAGTCAA TAAACAGAAAGAATGATTTTGAGA
2448	Table 3A	Hs 198296	NM_003070	4507068	molecule (SLAM), mRNA SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2), mRNA /cds=(297,5015)	1	TTGTGACCAAATGGGCCTCAAAGATT CAGATTGAAACAAACAAAAAGCTT
2449	Table 3A	Hs.236030) NM_003075	4507080		1	AAGGTTCTATTAACCACTTCTAAGGG TACACCTCCCTCCAAACTACTGCA

Table 8

2450	Table 3A	Hs 79335	NM_003076		SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1 (SMARCD1),	1	GTTGTATCACCCCCGAGTTAGCATAT CCCAGGCTCGCAGACTCAACACAG
2451	Table 3A	Hs 174051	NM_003089	4507118	mRNA /cds=(265,1572) small nuclear ribonucleoprotein 70kD polypeptide (RNP antigen) (SNRP70), mRNA /cds=(680,2524)	1	CCACTTGAGTTTGTCCTCCAAGGGTA GGTGTCTCATTTGTTCTGGCCCCT
2452	Table 3A	Hs.31121	NM_003098	4507136	syntrophin, alpha 1(dystrophin- associated protein A1, 59kD, acidic component) (SNTA1), mRNA	1	TCCTGTCTCTCCTCCTTACTCTTG GATAAATAAACAGCCTGTGAGCAC
2453	Table 3A	Hs 11183	NM_003100	4507140	sorting nexin 2 (SNX2), mRNA /cds=(29,1588)	1	CCTGACCCTCTTTGAATTAAGTGGAC TGTGGCATGACATTCTGCAATACT
2454	Table 3A	Hs.92909	NM_003103	4507152	NREBP mRNA, complete cds /cds=(49,7209)	1	TCTAAACTTTATTTTCAAAAGCTTAAG GCCCAAATACAAACTTCTCTGGA
2455	Table 3A	Hs.278571	NM_003105	6325473	sortilin-related receptor, L(DLR class) A repeats-containing (SORL1), mRNA /cds=(197,6841)	1	CATGGTGATAGCCTGAAAGAGCTTTC CTCACTAGAAACCAAATGGTGTAA
2456	Table 3A	Hs.21293	NM_003115	4507758	UDP-N-acteylglucosamine pyrophosphorylase 1 (UAP1), mRNA /cds=(0,1517)	1	GGAGAAGGATTAGAAAGTTATGTGGC AGATAAAGAATTCCATGCACCTCT
2457	Table 3A	Hs.71465	NM_003129	6806899	squalene epoxidase (SQLE), mRNA /cds=(214,1938)	1	ACAGTTTTCTTTTGAATTTAGTATTT GAGATGAGTTGTTGGGACATGCA
2458	Table 3A	Hs.300741	NM_003130	4507206	sorcin (SRI), mRNA /cds=(12,608)	1	GATCTAGTCTGTTACACCATTTAGAA CTTTCCTCAGCCATTATCAGTCAT
2459	Table 3A	Hs.75975	NM_003133	4507216	signal recognition particle 9kD (SRP9), mRNA /cds=(106,366)	1	AGCATGGTAAGTTCCCTTAGCTATAT GAATTTTGGCATGTTTCAGAGAGA
2460	Table 3A	Hs.75761	NM_003137	4507218	SFRS protein kinase 1 (SRPK1), mRNA /cds=(108,2075)	1	ACATTTTATTCTTTCTACTGAGGGCA TTGTCTGTTTTCTTTGTAAATGC
2461	Table 3A	Hs.83715	NM_003142	10835066	Sjogren syndrome antigen B	1	AAAAGGAAAACCGAATTAGGTCCACT TCAATGTCCACCTGTGAGAAAGGA
2462	Table 3A	Hs.250773	NM_003144	6552340	(autoantigen La) (SSB), mRNA signal sequence receptor, alpha (translocon-associated protein alpha) (SSR1), mRNA /cds=(111,971)	1	CCTATCCCCGGATGTGTGAGAATAAT GTGTTCATAAAGCATGGATCTCGT
2463	Table 3A	Hs.74564	NM_003145	6552341	signal sequence receptor, beta (translocon-associated protein beta)	1	CCAGTGTCTATTCTGGGTTAGAGAAG TGCTTACTAAGGGGTTTTCTAATA
2464	Table 3A	Hs.321677	NM_003150	4507252	(SSR2), mRNA /cds=(50,601) signal transducer and activator of transcription 3 (acute-phase response	1	GGGTGATCTGCTTTTATCTAAATGCA AATAAGGATGTGTTCTCTGAGACC
2465	Table 3A	Hs.80642	NM_003151	4507254	transcription 4 (STAT4), mRNA	1	GGGAGTGTTGTGACTGAAATGCTTGA AACCAAAGCTTCAGATAAACTTGC
2466	literature	Hs.251664	NM_003153	4507258	/cds=(81,2327) DNA for insulin-like growth factor II (IGF-2); exon 7 and additional ORF	1	GAGCCAATCCACTCCTTCCTTTCTAT CATTCCCCTGCCCACCTCCTTCCA
2467	Table 3A	Hs.70186	NM_003169	4507312		1	CTTCCTGTACCTCCTCCCCACAGCTT GCTTTTGTTGTACCGTCTTTCAAT
2468	Table 3A	Hs.12303	NM_003170	11321572		1	GCTGCTGCCACCGCTTCCTGCCTGT CATTTGAATAAACAGTGTTTCTATT
2469	Table 3A	Hs.106469	NM_003171	4507314		1	TGGGACTCATCCAAAAGGGACGAGA AGAAAGAAGAAGGAACCTGATTCGG
2470	Table 3A	Hs.3196	NM_003172	4507318		1	TCAAGACTGCCTTTATGCTGGATCAT GTGCTACTGGTATAAAGTTCTGGC
2471	Table 3A	Hs 37936	NM_003173	4507320		1	GTACACCCCTCAACCCTATGCAGCCT GGAGTGGGCATCAATAAAATGAAC
2472	literature	Hs.74101	NM_003177	4507328		1	CCATGAGACTGATCCCTGGCCACTGA AAAGCTTTCCTGACAATAAAAATG
2473	Table 3A	Hs.32675	NM_003193	6006029		1	TTGGGAAGTGACCATTTCTAGGCTTA TACATAATAGCAATAATAAAGGCT
2474	Table 3A	Hs.171626	NM_003197	6006030	transcription elongation factor B (SIII), polypeptide 1-like (TCEB1L), mRNA /cds=(101,592)	1	ATGTGGTAAAACCCAGAAAGCATCCA TCATGAATGCAAGATACTTTCAAT
2475	Table 3A	Hs.75133	NM_003201	4507400	transcription factor 6-like 1 (mitochondrial transcription factor 1-like) (TCF6L1), mRNA /cds=(132,872)	1	TTCACATTGTATTCAGAGTTGATGGTT GTACATATAAGTGATTGCTGGTT
2476	Table 3A	Hs.169294	NM_003202	4507402	transcription factor 7 (T-cell specific, HMG-box) (TCF7), mRNA	1	GCCACTGGTTTCTCAGAATCCAAAGA TCACATATTCTAGTGTAACACTGC
2477	Table 3A	Hs.74637	NM_003217	4507432	testis enhanced gene transcript (TEGT), mRNA /cds=(40,753)	1	CTGTGCTTTTTGCTTGGGATAATGGA GTTTTTCTTTAGAAACAGTGCCAA
2478	Table 3A	Hs 77356	NM_003234	4507456	transferrin receptor (p90, CD71) (TFRC), mRNA /cds=(263,2545)	1	TATCAGACTAGTGACAAGCTCCTGGT CTTGAGATGTCTTCTCGTTAAGGA
2479	Table 3A	Hs 79059	NM_003243	450747	transforming growth factor, beta receptor III (betaglycan, 300kD)	1	AGGGCTTGAGGTGAATTTCATTAAAT GGAATAATATGATGCCACTTTGCA
2480	Table 3A	Hs 87409	NM_003246	450748	(TGFBR3), mRNA /cds=(348,2897) 4 thrombospondin 1 (THBS1), mRNA /cds=(111,3623)	1	TTGACCTCCCATTTTTACTATTTGCCA ATACCTTTTTCTAGGAATGTGCT

2481	Table 3A	Hs 63668	NM_003264		toll-like receptor 2 (TLR2), mRNA	1	AGCGGGAAGGATTTTGGGTAAATCTG AGAGCTGCGATAAAGTCCTAGGTT
2402	Table 3A	Hs.159239	NM 003266		/cds=(129,2483) toll-like receptor 4 (TLR4), mRNA	1	TGATGTTTGATGGACCTATGAATCTA
2482	Table SA	113.133233	14IM_000200		/cds=(284,2683)		TTTAGGGAGACACAGATGGCTGGG
2483	Table 3A	Hs 31130	NM_003273		transmembrane 7 superfamily member 2 (TM7SF2), mRNA /cds=(254,2023)	1	AGCCCTGAGGATGAACAACCTCAGA GAAGAGGTGGTTTAGAGCAAGGAAA
2484	Table 3A	Hs.1117	NM_003291	4507656	tripeptidyl peptidase II (TPP2), mRNA /cds=(23,3772)	1	AATAAATTTGCAAAACCAAGATCACA GTACACCATATGCACTCTGGTACC
2485	Table 3A	Hs 326456	NM_003295	4507668	hypothetical protein FLJ20030 (FLJ20030), mRNA /cds=(1,1239)	1	TTTGGAGTGGAGGCATTGTTTTTAAG AAAAACATGTCATGT
2486	Table 3A	Hs 5542	NM_003315		tetratricopeptide repeat domain 2 (TTC2), mRNA /cds=(26,1480)	1	GCGGGGTGGACAGGGAGGCAGCTT GTGAATTTTTGTTTTACTGTTTAAC
2487	Table 3A	Hs.178551	NM_003316	10835036	ribosomal protein L8 (RPL8), mRNA /cds=(43,816)	1	AACTTCAGATACTTGTGAACATGCCT TATATTTGTCCAACAACTGTCAGA
2488	Table 3A	Hs.274401	NM_003321	4507732	mRNA; cDNA DKFZp434P086 (from clone DKFZp434P086); partial cds /cds=(798,1574)	1	GAAGGGTTGGCCTGCCTGGCTGGGG AGGTCAGTAAACTTTGAATAGTAAG
2489	literature	Hs 129780	NM_003327	4507578	tumor necrosis factor receptor superfamily, member 4 (TNFRSF4),	1	AAGATGTACCCTTCAGGTGAACCTGG TATCAGACCCACAGTACTTGCTGT
2490	Table 3A	Hs.29877	NM_003328	4507742	TXK tyrosine kinase (TXK), mRNA /cds=(86,1669)	1	AGCAAGATAGCCAAATGTGACATCAA GCTCCATTGTTTCGGAAATCCAGG
2491	Table 3A	Hs.13046	NM_003330	4507746	thioredoxin reductase 1 (TXNRD1), mRNA /cds=(439,1932)	1	AGTGGAATGTTCTATCCCCACAAGAA GGATTATATCTTATAGACTTGTCT
2492	Table 3A	Hs.5308	NM_003333	4507760	ubiquitin A-52 residue ribosomal	1	CCCGTGGCCCTGGAGCCTCAATAAA
					protein fusion product 1 (UBA52), mRNA /cds=(37,423)		GTGTCCCTTTCATTGACTGGAGCAG
2493	Table 3A	Hs 80612	NM_003336	4507768	ubiquitin-conjugating enzyme E2A (RAD6 homolog) (UBE2A), mRNA	1	TTATGCATTTATCACTTCCAAATCTAA CTTTGCACAAGTAACCCATGTAA
2494	Table 3A	Hs.811	NM_003337	4507770	ubiquitin-conjugating enzyme E2B	1	TCCGCACTATATAATTCGCACACATT AATTAGGGTTTATGTACCATACAA
2495	literature	Hs.75355	NM_003348	4507792	(RAD6 homolog) (UBE2B), mRNA ubiquitin-conjugating enzyme E2N	1	GCTTGTGACCATTTTGTATGGCTTGT
			_		(homologous to yeast UBC13) (UBE2N), mRNA /cds=(63,521)		CTGGAAACTTCTGTAAATCTTATG
2496	Table 3A	Hs.283667	NM_003349	12025659	arginyl aminopeptidase	1	TGCTGATTTATGCAAAGGGCTGGCAT
2497	literature	Hs.79300	NM_003350	12025664	(aminopeptidase B) (RNPEP), mRNA ubiquitin-conjugating enzyme E2	1	TCTGATGCTTTTCAGGTTTAATCC TGCATTCTGGCAGTTCTTTTAGGATT
		LIA ONEEO	NM_003355	13259540	variant 2 (UBE2V2), mRNA uncoupling protein 2 (mitochondrial,	1	ATAGGTTGCAAATTATCCAAATAT CCGACAGCCCAGCCTAGCCCACTTG
2498	Table 3A	Hs.80658	MINI_002222	13233340	proton carrier) (UCP2), nuclear gene		TCATCCATAAAGCAAGCTCAACCTT
					encoding mitochondrial protein, mRNA /cds=(380,1309)		
2499	literature	Hs.78853	NM_003362	6224978	uracil-DNA glycosylase (UNG), mRNA	1	TTTGCTGTTAGTCGGGTTAGAGTTGG CTCTACGCGAGGTTTGTTAATAAA
2500	Table 3A	Hs.77500	NM_003363	4507852	/cds=(106,1020) ubiquitin specific protease 4 (proto-	1	CAGACTGCTAGTGTTCTGTCTAAAAA
				4507842	oncogene) (USP4), mRNA	1	CCAGACAAGGAAATACCCTTCTTT TTTTCCAGTGAGGTAAAATAAGGCAT
2501	literature	Hs 173554	NM_003366	4507642	protein II (UQCRC2), mRNA		AAATGCAGGTAATTATTCCCAGCT
2502	Table 3A	Hs.93649	NM_003367	4507846	upstream transcription factor 2, c-fos interacting (USF2), mRNA	1	CCGGCACTTCTAGTGGTCTCACCTGG AGGCAAGAGGGAGGGTACAGAGCC
2503	Table 3A	Hs.284192	NM_003374	4507878		1	TTTAGAGTCTTCCATTTTGTTGGAATT AGATCCTCCCCTTCAAATGCTGT
2504	Table 3A	Hs.155191	NM_003379	9257254	villin 2 (ezrin) (VIL2), mRNA /cds=(117,1877)	1	TTCTCCTTCACAGCTAAGATGCCATG TGCAGGTGGATTCCATGCCGCAGA
2505	Table 3A	Hs.297753	NM_003380	4507894	vimentin (VIM), mRNA /cds=(122,1522)	1	TTTCCAGCAAGTATCCAACCAACTTG GTTCTGCTTCAATAAATCTTTGGA
2506	Table 3A	Hs 24143	NM_003387	8400739	Wiskott-Aldrich syndrome protein interacting protein (WASPIP), mRNA	1	ATGACTTGCATCCCAGCTTTCCACCA ACCAAATTCAAACATTCACTGCTT
2507	literature	Hs.150930	NM_003401	12408643	/cds=(108,1619) X-ray repair complementing defective repair in Chinese hamster cells 4	1	TGTATGAGACTTTTTGTTGCAAAGGA CACATTTATCATATTCATTCACAC
2508	Table 3A	Hs.279920	NM_003404	4507948	(XRCC4), transcript variant 3, mRNA tyrosine 3-monooxygenase/tryptophan	1	TGATCTGTCCAGTGTCACTCTGTACC
2000	Table of	110.21 002	, <u>-</u> 000101	,	5-monooxygenase activation protein, beta polypeptide (YWHAB), mRNA /cds=(372,1112)		CTCAACATATATCCCTTGTGCGAT
2509	Table 3A	Hs 75544	NM_003405	4507950	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide (YWHAH), mRNA /cds=(200,940)	1	AATTCACCCCTCCCACCTCTTTCTTC AATTAATGGAAAAGCGTTAAGGGA
2510	Table 3A	Hs 75103	NM_003406	4507952	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide (YWHAZ), mRNA	1	CTCAGTACTTTGCAGAAAACACCAAA CAAAAATGCCATTTTAAAAAAGGT
2511	Table 3A	Hs 55481	NM_003447	4508000	/cds=(84,821) 2 inc finger protein 165 (ZNF165), mRNA /cds=(567,2024)	1	AGCCTTCAGTCAGAGCTCAAACCTTA GTCAACACCAGAGAATTCACATGA

2512	Table 3A	Hs 88219	NM_003454		zinc finger protein 200 (ZNF200), mRNA /cds=(239,1423)	1	AACCCTCTAAGAATACCTGTTTAAGT CTTGAGTGTTGAAAGGAATTGTTT
2513	Table 3A	Hs.62112	NM_003457	4508016	zinc finger protein 207 (ZNF207), mRNA /cds=(202,1638)	1	CCACTGCCTGAAAGGTTTGTACAGAT GCATGCCACAGTAGATGTCCACAT
2514	Table 3A	Hs 89414	NM_003467	4503174	chemokine (C-X-C motif), receptor 4 (fusin) (CXCR4), mRNA /cds=(88,1146)	1	TCAGGAGTGGGTTGATTTCAGCACCT ACAGTGTACAGTCTTGTATTAAGT
2515	Table 3A	Hs 78683	NM_003470	4507856	ubiquitin specific protease 7 (herpes virus-associated) (USP7), mRNA /cds=(199,3507)	1	CCTTCAGTTATACTTTCAATGACCTTT TGTGCATCTGTTAAGGCAAAACA
2516	Table 3A	Hs 110713	NM_003472	4503248	DEK oncogene (DNA binding) (DEK), mRNA /cds=(33,1160)	1	AAGTGAACAAAATAAGCAACTAAATG AGACCTAATAATTGGCCTTCGATT
2517	Table 3A	Hs 155017	NM_003489	4505454	nuclear receptor interacting protein 1 (NRIP1), mRNA /cds=(287,3763)	1	CACAACCAAATTTGATGCGATCTGCT CAGTAATATAATTTGCCATTTTTA
2518	Table 3A	Hs.28777	NM_003512	4504244	H2A histone family, member L (H2AFL), mRNA /cds=(97,489)	1	ACATTGTAATAGAAACAGATTTCCCA AATTCCAGCCTGGCATGAGGTAAT
2519	literature	Hs.2178	NM_003528		H2B histone family, member Q (H2BFQ), mRNA /cds=(42,422)	1	CAGACTGAATAGATCTTAACTGTCTC CTACATGTGTGTTTTCAAATGTGT
2520	Table 3A	Hs.278571	NM_003563		sortilin-related receptor, L(DLR class) A repeats-containing (SORL1), mRNA /cds=(197,6841)	1	GATATCCCAGCGGTGGTACTTCGGA GACACCTGTCTGCATCTGACTGAGC
2521	Table 3A	Hs.2864	NM_003566	4503468	early endosome antigen 1, 162kD (EEA1), mRNA /cds=(136,4368)	1	ACACTTTCCTCTGCCTTTTTCTCTTAT ATGTGGGTTCATGGTTCAGTTCG
2522	Table 3A	Hs.9006	NM_003574	4507866	VAMP (vesicle-associated membrane protein)-associated protein A (33kD)	1	AGATAATGTCACCAGTCCTCTTCCTT CACTTCTTGTTGTAATTGCAGCCA
2523	literature	Hs.66718	NM_003579	4506396	(VAPA), mRNA /cds=(0,728) RAD54 (S.cerevisiae)-like (RAD54L), mRNA /cds=(100,2343)	1	CCGGCACACAGGGACTAGGTCTAGT GAGAACATCAGGAGCAGCCAGGGAT
2524	Table 3A	Hs 78687	NM_003580	4505464	neutral sphingomyelinase (N-SMase) activation associated factor (NSMAF),	1	CATCGGGTTTTGGGTGTGTTTTCA TAGCGTGGTTACTTTCTATAATGC
2525	Table 3A	Hs.14611	NM_003584	4503414	mRNA /cds=(12,2765) dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)	1	ATGTATTTCTTTCTGACTAGACTTGTG ATATGCGTGTGTTTATGTACAGA
2526	Table 3A	Hs.155976	NM_003588	13270466	(DUSP11), mRNA /cds=(124,1116) cullin 4B (CUL4B), mRNA /cds=(78,2231)	1	GTTCTGTATCAGTTGAATTTTTGTGCT CTTTTCCCTGTGTACGTGGTGGT
2527	Table 3A	Hs 183874	NM_003589	11140810	· · · · · · · · · · · · · · · · · · ·	1	CATTTATGAGTTCCATGATATGTGGT CTAAGAAAGACCAAACAGATTTCT
2528	Table 3A	Hs.82919	NM_003591	4503162	cullin 2 (CUL2), mRNA /cds=(146,2383)	1	AAATCGGTTGGGTACCATGCTTTTTC TCCCCTTCACGTTTGCAGTTGATG
2529	Table 3A	Hs.14541	NM_003592	4503160	cullin 1 (CUL1), mRNA /cds=(124,2382)	1	GTTCATGTTGGAAAGAATGAAAACAA CTTCAAGTTCATAGGCAGCCAGCC
2530	Table 3A	Hs 9456	NM_003601	4507074		1	TGTCATTTAAAGACATCAGGTTCATCT GTTTACTGAGCTAGAAACATAGT
2531	Table 3A	Hs.100293	NM_003605	6006036	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N- acetylglucosamine:polypeptide-N- acetylglucosaminyl transferase) (OGT),	1	ATCTGGTGCCAAATGAAGATTTTTAG GAGTGATTACTAATTATCAAGGGC
2532	Table 3A	Hs.131924	NM_003608	4507420	mRNA /cds=(2039,4801) G protein-coupled receptor 65	1	TTCTGCACTGGGAGGTGTAATACATC
2533	Table 3A	Hs.104925	NM_003633		(GPR65), mRNA /cds=(0,1013) ectodermal-neural cortex (with BTB-like	1	ACAAAGACAAAGAAAACGCATACT AGTTGAAGGAAAATGTTCATGTTCAT
2534	db mining	Hs.323879	NM_003639	4504630	highly similar to AF091453 NEMO	1	ATGTACTTGTTTGCTATGACTACA CACTGGGGAAGTCAAGAATGGGGCC TGGGGCTCTCAGGGAACTGCTTC
2535	Table 3A	Hs 146360	NM_003641	4504580		1	CCCTAGATACAGCAGTTTATACCCAC ACACCTGTCTACAGTGTCATTCAA
2536	Table 3A	Hs.167218	NM_003658	6633797	protein 1 (9-27) (IFITM1), mRNA BarH-like homeobox 2 (BARX2),	1	GAAAGTGCTTAGCTCTCTCCCTCCTG ACCTCTGGGCAGCCAGTCATCAAA
2537	Table 3A	Hs.155172	NM_003664	4501974	mRNA /cds=(96,935) adaptor-related protein complex 3, beta 1 subunit (AP3B1), mRNA	1	ATCATGTATGCAATACTTTCCCCCTTT TTGCTTTGCTAACCAAAGAGCAT
2538	Table 3A	Hs.239307	NM_003680	4507946		1	CTGCTGTCTCTTCAGTCTGCTCCATC CATCACCCATTTACCCATCTCTCA
2539	Table 3A	Hs 82548	NM_003682	4505070		1	TATAGAAAATGTACAGTTGTGTGAAT GTGAAATAAATGTCCTCAACTCCC
2540	literature	Hs.47504	NM_003686	4504368		1	GGCCGTGTTCAAAGAGCAATATTCCA GTAAATGCAGACTGCTGCAAAGCT
2541	Table 3A	Hs 18571	NM_003690	4505580		1	AGCTGCTGACTTGACTGTCATCCTGT TCTTGTTAGCCATTGTGAATAAGA
2542	db mining	Hs 296776	NM_003721	4506498	activator (PRKRA), mRNA	1	GAACTGACTTCAAAGGCAGCTTCTGG ACAGGTGGTGGGAGGGGACCCTTC
					7000 (417) 100)		

2543	Table 3A	Hs 118633	NM_003733	11321576	2'-5'oligoadenylate synthetase-like	1	GGAGAGGCTCTGTTTCCAGCCAGTTA GTTTTCTCTGGGAGACTTCTCTGT
0544	Table 3A	Hs.5120	NM 003746	4505812	(OASL), mRNA /cds=(6,1550) dynein, cytoplasmic, light polypeptide	1	TTTCTATTCCATACTTCTGCCCACGTT
2544	Table 3A	HS.5120	141VI_003740	4303012	(PIN), mRNA /cds=(93,362)		GTTTTCTCTCAAAATCCATTCCT
2545	Table 3A	Hs.57783	NM_003751	4503526	eukaryotic translation initiation factor 3, subunit 9 (eta, 116kD) (EIF3S9), mRNA /cds=(53,2674)	1	CCTGTACACAGCCGAGCAGCATTTCC GTTGAAGGACTTGCATCCCCATTG
2546	Table 3A	Hs.57973	NM_003753	4503522	caspase recruitment domain protein 10 mRNA, complete cds /cds=(40,3138)	1	TTGATGCTTAGTGGAATGTGTGTCTA ACTTGCTCTCTGACATTTAGCAGA
2547	Table 3A	Hs 58189	NM_003756	4503514	eukaryotic translation initiation factor 3, subunit 3 (gamma, 40kD) (EIF3S3),	1	AAGAAGTTAACATGAACTCTTGAAGT CACACCAGGGCAACTCTTGGAAGA
2548	Table 3A	Hs.192023	NM_003757	4503512	mRNA /cds=(5,1063) eukaryotic translation initiation factor 3, subunit 2 (beta, 36kD) (EIF3S2), mRNA	1	GGTGGATCTCCAACCAGGCCAGAGA AGATTCTCACAGAAGGTTTTGAACT
2549	Table 3A	Hs.172684	NM_003761	14043025	/cds=(17,994) vesicle-associated membrane protein 8 (endobrevin) (VAMP8), mRNA	1	GGCTGGGAAACTGTTGGTGGCCAGT GGGTAATAAAGACCTTTCAGTATCC
2550	Table 3A	Hs.77608	NM_003769	4506902	/cds=(53,355) splicing factor, arginine/serine-rich 9 (SFRS9), mRNA /cds=(52,717)	1	GGTTCGCTCTACTATGGAGATCAACA GTTACTGTGACTGAGTCGGCCCAT
2551	db mining	Hs.89862	NM_003789	13378136	TNFRSF1A-associated via death domain (TRADD), mRNA	1	GCTCACACTCAGCGTGGGACCCCGA ATGTTAAGCAATGATAATAAAGTAT
2552	db mining	Hs.251216	NM_003790	4507568	hypothetical protein DKFZp434A196 (DKFZP434A196), mRNA	1	CTGCTCGCCCCTATCGCTCCAGCCAA GGCGAAGAAGCACGAACGAATGTC
2553	Table 3A	Hs.75890	NM_003791	4506774	membrane-bound transcription factor protease, site 1 (MBTPS1), mRNA	1	ACCTGCCACCATGTTTTGTAATTTGA GGTCTTGATTTCACCATTGTCGGT
2554	Table 3A	Hs.7943	NM_003796	4506542	/cds=(496,3654) RPB5-mediating protein (RMP), mRNA	1	AACGAAAGGAAGTTCTGTTGGAAGCA TCTGAAGAAACTGGAAAGAGGGTT
2555	db mining	Hs.155566	NM_003805	4503030	/cds=(465,1991) CASP2 and RIPK1 domain containing adaptor with death domain (CRADD),	1	ACATTTACCTGAATGTTGTCTGAGGA CTGAACTGTGGACTTTACTATTCA
2556	Table 3A	Hs.87247	NM_003806	4504492	mRNA /cds=(37,636) harakiri, BCL2-interacting protein (contains only BH3 domain) (HRK),	1	AAATCCAGCTGCAGAAACAGACACCC CAATGCTATTTACATACAGCTCTA
2557	literature	Hs.54673	NM_003808	4507598	superfamily, member 13 (TNFSF13),	1	CCCCGTTCCTCACTTTTCCCTTTTCAT TCCCACCCCCTAGACTTTGATTT
2558	literature	Hs.26401	NM_003809	4507596	mRNA /cds=(281,1033) tumor necrosis factor (ligand) superfamily, member 12 (TNFSF12), mRNA /cds=(17,766)	1	TTCAGGCACTAAGAGGGGCTGGACC TGGCGGCAGGAAGCCAAAGAGACTG
2559	literature	Hs.83429	NM_003810	4507592	tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10),	1	CGCAACAATCCATCTCTCAAGTAGTG TATCACAGTAGTAGCCTCCAGGTT
2560	literature	Hs.1524	NM_003811	4507608		1	CCCAGGCTAGGGGGCTATAGAAACA TCTAGAAATAGACTGAAAGAAAATC
2561	Table 3A	Hs.2442	NM_003816	4501914	domain 9 (meltrin gamma) (ADAM9),	1	ACCTACAAAAAAGTTACTGTGGTATC TATGAGTTATCATCTTAGCTGTGT
2562	literature	Hs.279899	NM_003820	4507570	mRNA /cds=(78,2537) tumor necrosis factor receptor superfamily, member 14 (herpesvirus	1	TGGTGTTTAGTGGATACCACATCGGA AGTGATTTTCTAAATTGGATTTGA
2563	db mining	Hs 86131	NM_003824	4505228	entry mediator) (TNFRSF14), mRNA Fas (TNFRSF6)-associated via death domain (FADD), mRNA /cds=(129,755)	1	TCACTATCTTTCTGATAACAGAATTGC CAAGGCAGCGGGATCTCGTATCT
2564	literature	Hs.114676	NM_003839	4507564	tumor necrosis factor receptor superfamily, member 11a, activator of	1	GAAAAGATGGAGAAAATGAACAGGAC ATGGGGCTCCTGGAAAGAAAGGGC
2565	literature	Hs.129844	NM_003840	4507562	NFKB (TNFRSF11A), mRNA tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain (TNFRSF10D),	1	GTGGTTTTAGGATGTCATTCTTTGCA GTTCTTCATCATGAGACAAGTCTT
2566	literature	Hs.119684	NM_003841	10835042	superfamily, member 10c, decoy without an intracellular domain	1	AAGGGTGAGGATGAGAAGTGGTCAC GGGATTTATTCAGCCTTGGTCAGAG
2567	literature	Hs.249190	NM_003844	4507558	superfamily, member 10a	1	GAGAAGATTCAGGACCTCTTGGTGGA CTCTGGAAAGTTCATCTACTTAGA
2568	Table 3A	Hs.7043	NM_003849	11321580	(TNFRSF10A), mRNA /cds=(0,1406) succinate-CoA ligase, GDP-forming, alpha subunit (SUCLG1), mRNA	1	AGTACAACTGGAAGCCAAAACAAGGT GGAAGATGTCCTGAATTAAGACGT
2569	Table 3A	Hs.5085	NM_003859	4503362	2 dolichyl-phosphate mannosyltransferase polypeptide 1,	1	GTTGCTGGCCTAATGAGCAATGTTCT CAATTTTCGTTTTCATTTTGCTGT
2570	Table 3A	Hs.153687	7 NM_003866	4504706	catalytic subunit (DPM1), mRNA	1	ACAGACCTCCAGAGGGGACTTATGG AAAAGCTGACACCTAAGTTTACCAA

Table 8

					Table 0		
2571	Table 3A	Hs 1742	NM_003870		IQ motif containing GTPase activating protein 1 (IQGAP1), mRNA	1	TGAATTTACTTCCTCCCAAGAGTTTG GACTGCCCGTCAGATTGTTTCTGC
2572	Table 3A	Hs.279789	NM_003883	13128861	/cds=(467,5440) histone deacetylase 3 (HDAC3), mRNA /cds=(55,1341)	1	TGGCTTTATGTCCATTTTACCACTGTT TTTATCCAATAAACTAAGTCGGT
2573	Table 3A	Hs 76095	NM_003897	4503328	immediate early response 3 (IER3),	1	GCTGTCACGGAGCGACTGTCGAGAT CGCCTAGTATGTTCTGTGAACACAA
2574	Table 3A	Hs.7165	NM_003904		mRNA /cds=(11,481) zinc finger protein 259 (ZNF259),	1	CCTTTAAGGTTGGAACTTTGAAGTTG
2575	Table 3A	Hs 61828	NM_003905	4502168	mRNA /cds=(28,1407) amyloid beta precursor protein-binding protein 1, 59kD (APPBP1), mRNA	1	GAGAAGGTGGAATAAAGTTACACC TGCCTTCGGGTTGTGCTTTAGTCTGT AAAATTCTAAAGGAGAGCTGCTAA
2576	Table 3A	Hs.8991	NM_003917	4503842	/cds=(73,1677) adaptor-related protein complex 1, gamma 2 subunit (AP1G2), mRNA	1	GCAAAAACCTGGGACCAGCCCCCTT CTCCCACAAATAAAGCCCAATAAAG
2577	Table 3A	Hs 58589	NM_003918	5453673	glycogenin 2 (GYG2), mRNA /cds=(283,1788)	1	GTCATCGGCTTTCAGAGGGAGACCA CGGGAATGTTCAGGGAAACAATGTC
2578	Table 3A	Hs.306359	NM_003922	4557025	clone 25038 mRNA sequence /cds=UNKNOWN	1	TGAATTGCCTGTTCAGGGTTCCTTAT GCAGAGAAATAAAGCAGATTCAGG
2579	literature	Hs.35947	NM_003925	4505120	methyl-CpG binding domain protein 4 (MBD4), mRNA /cds=(176,1918)	1	ACCAACCACCTTTCCAGCCATAGAGA TTTTAATTAGCCCAACTAGAAGCC
2580	literature	Hs.194685	NM_003935	4507634		1	CTACTTTGTATGATGACCCTGTCCTC CCTCACCCAGGCTGCAGTGCCATG
2581	Table 3A	Hs.169139	NM_003937	4504936	kynureninase (L-kynurenine hydrolase) (KYNU), mRNA /cds=(106,1503)	1	AAAGAGGAGTGGTTTGTGACAAGCG GAATCCAAATGGCATTCGAGTGGCT
2582	Table 3A	Hs.24322	NM_003945	4502318	ATPase, H+ transporting, lysosomal (vacuolar proton pump) 9kD (ATP6H),	1	GAAGAGCCATCTCAACAGAATCGCAC CAAACTATACTTTCAGGATGAATT
2583	Table 3A	Hs.47007	NM_003954	4505396	mRNA /cds=(62,307) mitogen-activated protein kinase kinase kinase 14 (MAP3K14), mRNA	1	TCTGGGTTGTAGAGAACTCTTTGTAA GCAATAAAGTTTGGGGTGATGACA
2584	literature	Hs.24439	NM_003958	4504866	/cds=(232,3075) ring finger protein (C3HC4 type) 8 (RNF8), mRNA /cds=(112,1569)	1	CTGCTGTCCACTTTCCTTCAGGCTCT GTGAATACTTCAACCTGCTGTGAT
2585	Table 3A	Hs.108371	NM_003973	4506600		1	GCACCTGCTCCAAAGGCATCTGGCA AGAAAGCATAAGTGGCAATCATAAA
2586	Table 3A	Hs.10315	NM_003983	4507052		1	CTCCTTTTAACGTGTTATTGACAAACC TCCCCAAAAGAATATGCAATTGT
2587	Table 3A	Hs.339840	NM_003992	4502884		1	AGCTGCCAGAAAGCACAGATTTGACC CAAGCTATTTATATGTTATAAAGT
2588	Table 3A	Hs.83428	NM_003998	10835176	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	1	AGCTGCTGCTGGATCACAGCTGCTTT CTGTTGTCATTGCTGTTGTCCCTC
2589	literature	Hs.278443	NM_004001	4557021	(p105) (NFKB1), mRNA Fc fragment of IgG, low affinity Ilb, receptor for (CD32) (FCGR2B), mRNA	1	GATGAGGCTGACAAAGTTGGGGCTG AGAACACAATCACCTATTCACTTCT
2590	Table 3A	Hs.12068	NM_004003	4755131	· · · · · · · · · · · · · · · · · · ·	1	TCCTGCCCCCGCCCTGCTGTATGATA TTAATGTGGAAGGTCATCAATAAA
2591	Table 3A	Hs.169470	NM_004010	5032314		1	AAACTGTAAATCATAATGTAACTGAA GCATAAACATCACATGGCATGTTT
2592	Table 3A	Hs.460	NM_004024	4755127	activating transcription factor 3 (ATF3), mRNA /cds=(164,520)	1	ACAAGGACGCTGGCTACTGTCTATTA AAATTCTGATGTTTCTGTGAAATT
2593	Table 3A	Hs 166120	NM_004031	4809287		1	CTTCCTTATGGAGCTGGAGCAGCCC GCCTAGAACCCAGTCTAATGAGAAC
2594	Table 3A	Hs.78637	NM_004034	4809278		1	TGCATCTCATTTTGCCTAAATTGGTTC TGTATTCATAAACACTTTCCACA
2595	Table 3A	Hs.217493	NM_004039		annexin A2 (ANXA2), mRNA /cds=(49,1068)	1	AGTGAAGTCTATGATGTGAAACACTT TGCCTCCTGTGTACTGTGTCATAA
2596	Table 3A	Hs.227817	NM_004049	14574570	BCL2-related protein A1 (BCL2A1), mRNA /cds=(183,710)	1	TTGATGATGTAACTTGACCTTCCAGA GTTATGGAAATTTTGTCCCCATGT
2597	Table 3A	Hs.155935	NM_004054	4757887	(C3AR1), mRNA /cds=(0,1448)	1	AGCTCACACGTTCCACCCACTGTCCC TCAAACAATGTCATTTCAGAAAGA
2598	Table 3A	Hs.153640	NM_004073	4758015	mRNA /cds=(36,1859)	1	GGACCACTTTTATTTATTGTCAGACA CTTATTTATTGGGATGTGAGCCCC
2599	Table 3A	Hs.108080	NM_004078	4758085	(CSRP1), mRNA /cds=(54,635)	1	GGGCTGTACCCAAGCTGATTTCTCAT CTGGTCAATAAAGCTGTTTAGACC
2600	literature	Hs.76394	NM_004092	12707569	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial (ECHS1), nuclear gene encoding mitochondrial protein, mRNA /cds=(71,943)	1	GCTCTGAGGGAAACGCTGTCTGCTG CCTTCATACAGATGCTGATTAAAGT

					Table 0		
2601	literature	Hs 4756	NM_004111	(chromosome 11, BAC CIT-HSP-311e8 (BC269730) containing the hFEN1 gene	1	TTTTAGCTCAGGAAAATATGTCAGGC TCAAACCACTTCTCAGGCAGTTTA
2602	Table 3A	Hs 171862	NM_004120	6996011	/cds=(2644,3786) guanylate binding protein 2, interferon- inducible (GBP2), mRNA	1	TTGTTGAACCATAAAGTTTGCAAAGT AAAGGTTAAGTATGAGGTCAATGT
2603	Table 3A	Hs 284265	NM_004124	4758441	pRGR1 mRNA, partial cds	1	TGTGGTTTCAGTCTCTGCTAGTTCAT ATTGCATGTTTATTTTGGACAGTC
2604	Table 3A	Hs.3069	NM_004134	4758569	/cds=(0,538) heat shock 70kD protein 9B (mortalin-	1	AGCAGAAATTTTGAAGCCAGAAGGAC AACATATGAAGCTTAGGAGTGAAG
2605	Table 3A	Hs 80350	NM_004156	4758951	2) (HSPA9B), mRNA /cds=(29,2068) protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform (PPP2CB), mRNA /cds=(21,950)	1	ACTICTICATCTCCTTTTGCGCTTATT TGGAAATTTTAGTTATAGTGTTT
2606	Table 3A	Hs.180062	NM_004159	4758969	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7) (PSMB8), mRNA /cds=(220,1038)	1	GAGAGAGTACGGGCTCAGCAGCCAG AGGAGGCCGGTGAAGTGCATCTTCT
2607	Table 3A	Hs.272493	NM_004166	14589962	small inducible cytokine subfamily A (Cys-Cys), member 15 (SCYA15), transcript variant 2, mRNA	1	CCCAGTCACCCTCTTGGAGCTTCCCT GCTTTGAATTAAAGACCACTCATG
2608	Table 3A	Hs.272493	NM_004167	14602450	small inducible cytokine subfamily A (Cys-Cys), member 15 (SCYA15),	1	CCCAGTCACCCTCTTGGAGCTTCCCT GCTTTGAATTAAAGACCACTCATG
2609	Table 3A	Hs.469	NM_004168	4759079	transcript variant 2, mRNA succinate dehydrogenase complex, subunit A, flavoprotein (Fp) (SDHA), nuclear gene encoding mitochondrial	1	GGAGCGTGGCACTTACCTTTGTCCCT TGCTTCATTCTTGTGAGATGATAA
2610	Table 3A	Hs.75379	NM_004172	4759125	protein, mRNA /cds=(24,2018) solute carrier family 1 (glial high affinity glutamate transporter), member 3 (SLC1A3), nuclear gene encoding mitochondrial protein, mRNA	1	GCATACACATGCACTCAGTGTGGACT GGGAAGCATTACTTTGTAGATGTA
2611	Table 3A	Hs 172791	NM_004182	4759297	/cds=(178,1806) ubiquitously-expressed transcript (UXT), mRNA /cds=(56,529)	1	AAGCCTCACCATTGACTTCTTCCCCC CATCCTCAGACATTAAAGAGCCTG
2612	literature	Hs.212680	NM_004195	4759245		1	CTGACCTCGGCCCAGCTTGGACTGC ACATCTGGCAGCTGAGGAGTCAGTG
2613	Table 3A	Hs.18720	NM_004208	4757731	programmed cell death 8 (apoptosis- inducing factor) (PDCD8), mRNA /cds=(42,1883)	1	GGAAGATCATTAAGGACGGTGAGCA GCATGAAGATCTCAATGAAGTAGCC
2614	Table 3A	Hs.79197	NM_004233	4757945		1	TTACCTCTGTCTTGGCTTTCATGTTAT TAAACGTATGCATGTGAAGAAGG
2615	housekeeping	Hs.6566	NM_004237	11321606		1	AGTTACTGGTCTCTTTCTGCCGAATG TTATGTTTTGCTTTTATCTCACAG
2616	genes Table 3A	Hs.85092	NM_004239	10863904	thyroid hormone receptor interactor 11 (TRIP11), mRNA /cds=(356,6295)	1	CACAAAGTGGCCTTTGGGGAGAAAG TCATGTATTTGTTCGCAATTATGCT
2617	Table 3A	Hs.151787	NM_004247	4759279		1	ATTTACTCCAAGTCCTCTCCCCAGCT ACCACCAGTCCCTTACTCTGTTCT
2618	Table 3A	Hs.184276	NM_004252	4759139	solute carrier family 9 (sodium/hydrogen exchanger), isoform	1	GCCCATCCCTGAGCCAGGTACCACC ATTGTAAGGAAACACTTTCAGAAAT
2619	literature	Hs.31442	NM_004260	4759029	3 regulatory factor 1 (SLC9A3R1), RecQ protein-like 4 (RECQL4), mRNA /cds=(0,3626)	1	AGGACCGACGCTTCTGGAGAAAATAC CTGCACCTGAGCTTCCATGCCCTG
2620	Table 3A	Hs.90606	NM_004261	4759095	15 kDa selenoprotein (SEP15), mRNA /cds=(4,492)	1	TTCACAAAGATTTGCGTTAATGAAGA CTACACAGAAAACCTTTCTAGGGA
2621	Table 3A	Hs.15259	NM_004281	14043023		1	ATACCTGACTTTAGAGAGAGTAAAAT GTGCCAGGAGCCATAGGAATATCT
2622	Table 3A	Hs.341182	NM_004288	8670550	602417256F1 cDNA, 5' end /clone=IMAGE:4536829 /clone_end=5'	1	ATGGAAAGATGTGGTCTGAGATGGGT GCTGCAAAGATCATAATAAAGTCA
2623	Table 3A	Hs 75393	NM_004300	4757713		1	ACATCCAGAAAGAAGGACACTTGTAT GCTAGTCTATGGTCAGTTGAGGAA
2624	Table 3A	Hs.274350	NM_004301	4757717	BAF53 (BAF53A), mRNA	1	TTGACTAGTAAAAGTTACTGCCTAGT CTTTTTACCTTAGGCTTACAGAAT
2625	Table 3A	Hs.109918	3 NM_004310	4757769	/cds=(136,1425) ras homolog gene family, member H	1	TTGCCCAGGCCAGTTAGAAAATCCCT TGGGGAACTGTGATGAATATTCCA
2626	Table 3A	Hs.75811	NM_004315	4757785	(acid ceramidase) (ASAH), mRNA	1	ATAATCACAGTTGTGTTCCTGACACT CAATAAACAGTCACTGGAAAGAGT
2627	literature	Hs.23479	9 NM_004327	11038638	/cds=(17,1204) breakpoint cluster region (BCR), transcript variant 1, mRNA	1	TGACCGGATTCCCTCACTGTTGTATC TTGAATAAACGCTGCTGCTTCATC
2628	db mining	Hs 2534	NM_004329	4757853	bone morphogenetic protein receptor,	1	CCAAAGTTGGAGCTTCTATTGCCATG AACCATGCTTACAAAGAAAGCACT
2629	literature	Hs.82794	NM_004344	4757901	type IA (BMPR1A), mRNA centrin, EF-hand protein, 2 (CETN2), mRNA /cds=(47,565)	1	GTGAACTCCTGCACTGGCATTTGGAT GTGTGTTAATGCTATTTGTTTTGT

2630	Table 3A	Hs 170019	NM_004350	4757917	·	1	GCTGGGTGGAAACTGCTTTGCACTAT
2631	Table 3A	Hs 84298	NM_004355	10835070	(RUNX3), mRNA /cds=(9,1256) CD74 antigen (invariant polypeptide of	1	CGTTTGCTTGGTGTTTTTTTAA GCTTGTTATCAGCTTTCAGGGCCATG
			_		major histocompatibility complex, class		GTTCACATTAGAATAAAAGGTAGT
					II antigen-associated) (CD74), mRNA /cds=(7,705)		
2632	Table 3A	Hs 75564	NM_004357	4757941		1	CTTTGCCTTGCAGCCACATGGCCCCA
2633	Table 3A	Hs 75887	NM_004371	6006002	/cds=(84,845) coatomer protein complex, subunit	1	TCCCAGTTGGGGAAGCCAGGTGAG TGCGGGTTATTGATTTGTTCTTTACAA
2033	Table 3A	FIS 13001	14141_004371	0990002	alpha (COPA), mRNA /cds=(466,4140)	'	CTATTGTTCTCATATTTCTCACA
2634	Table 3A	Hs 79194	NM_004379	4758053	cAMP responsive element binding	1	AGTTATTAGTTCTGCTTTAGCTTTCCA
2635	Table 3A	Hs.23598	NM_004380	4758055	protein 1 (CREB1), mRNA CREB binding protein (Rubinstein-	1	ATATGCTGTATAGCCTTTGTCAT GCTGTTTTCAACATTGTATTTGGACTA
2000		.10.2000	00.000	., 00000	Taybi syndrome) (CREBBP), mRNA	·	TGCATGTGTTTTTTCCCCATTGT
2636	Table 3A	Hs.76053	NM_004396	1351/836	/cds=(198,7526) DEAD/H (Asp-Glu-Ala-Asp/His) box	1	AAGTAAATGTACAGTGATTTGAAATA
2000	Table 5/1	113.70000	14141_004030	10014020	polypeptide 5 (RNA helicase, 68kD)	•	CAATAATGAAGGCAATGCATGGCC
0007	Table 04	U- 455505	NIM 004404	4750467	(DDX5), mRNA /cds=(170,2014)		00040401001404017010410000
2637	Table 3A	Hs.155595	NM_004404	4/58157	neural precursor cell expressed, developmentally down-regulated 5	1	CCCACACTGCTACACTTCTGATCCCC TTTGGTTTTACTACCCAAATCTAA
					(NEDD5), mRNA /cds=(258,1343)		
2638	Table 3A	Hs.171695	NM_004417	7108342	dual specificity phosphatase 1	1	TCTTAAGCAGGTTTGTTTTCAGCACT
					(DUSP1), mRNA /cds=(248,1351)		GATGGAAAATACCAGTGTTGGGTT
2639	Table 3A	Hs 1183	NM_004418	12707563	dual specificity phosphatase 2	1	GGGGTTGGAAACTTAGCACTTTATAT
2640	Table 3A	Hs.2128	NM_004419	12707565	(DUSP2), mRNA /cds=(85,1029) dual specificity phosphatase 5	1	TTATACAGAACATTCAGGATTTGT ACCCGTGTGAATGTGAAGAAAGCAG
2010	10010 07 (110.2120	1111_004410	12707000	(DUSP5), mRNA /cds=(210,1364)	•	TATGTTACTGGTTGTTGTTGT
2641	Table 3A	Hs.74088	NM_004430	4758251	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	1	TTGCACTGTGAGCAAATGCTAATACA
					mRNA /cds=(357,1520)		GTAAATATTGTGTTTGCTGACA
2642	Table 3A	Hs.55921	NM_004446	4758293	glutamyl-prolyl-tRNA synthetase (EPRS), mRNA /cds=(58,4380)	1	AAATGAAGTCACACAGGACAATTATT CTTATGCCTAAGTTAACAGTGGAT
2643	Table 3A	Hs.48876	NM_004462	4758349	farnesyl-diphosphate	1	GTCGCTGCATATGTGACAGTGGAT
					farnesyltransferase 1 (FDFT1), mRNA		ATCCTACTTAGTATGATCCTGGCT
2644	Table 3A	Hs.76362	NM_004492	4758485	general transcription factor IIA, 2 (12kD	1	AAGGACAAAAGTTGTTGCCTTCCTAA
2645	Table 3A	Hs.103804	NM 004501	14141160	subunit) (GTF2A2), mRNA heterogeneous nuclear	1	GAACCTTCTTTAATAAACTCATTT CTGCATTTTGATTCTGAAAAGAAAGC
2040	Table on	113.103004	14101_004301	14141100	ribonucleoprotein U (scaffold	'	TGGCTTTGCCCATTTCTTATTAAA
					attachment factor A) (HNRPU),		
2646	db mining	Hs.171545	NM_004504	7262381	HIV-1 Rev binding protein (HRB),	1	ACCTGTCTGCATAATAAAGCTGATCA
2647	literature	Hs.152983	NM 004507	A759575	mRNA /cds=(243,1931) HUS1 (S. pombe) checkpoint homolog	1	TGTTTTGCTACAGTTTGCAGGTGA TACTGGTAGATGTGCTCATTCTCCCT
2041	illerature	115.102500	MM_004507	4/303/3	(HUS1), mRNA /cds=(60,902)	'	GAAACATACCCATCATATTGTCCT
2648	Table 3A	Hs.38125	NM_004510	4758587	interferon-induced protein 75, 52kD	1	AGGAAGCAATGTGGTTGGACCTGGTT
2640	Table 24	Hs.75117	NIM 004545	4750004	(IFI75), mRNA /cds=(170,1396)		AAGGGAAAGGCTGATTACGGAAAT
2649	Table 3A	ns./511/	NM_004515	4758601	interleukin enhancer binding factor 2, 45kD (ILF2), mRNA /cds=(39,1259)	1	AACTAATACTTTGCTGTTGAAATGTTG TGAAATGTTAAGTGTCTGGAAAT
2650	Table 3A	Hs.6196	NM_004517	4758605	integrin-linked kinase (ILK), mRNA	1	GAGCTTTGTCACTTGCCACATGGTGT
2651	dh minina	He 111201	NINE 004520	1124266	/cds=(156,1514) matrix metalloproteinase 2 (gelatinase	1	CTTCCAACATGGGAGGGATCAGCC
2001	db mining	Hs.111301	NM_004530	11342665	A, 72kD gelatinase, 72kD type IV		CCCTGTTCACTCTACTTAGCATGTCC CTACCGAGTCTCTTCTCCACTGGA
					collagenase) (MMP2), mRNA		
0050	Table 24	11- 400074	NINE 004544	4750707	/cds=(289,2271)		TOCACATTOTTTTTTTTTTCACTTCA
2002	Table 3A	Hs.198271	NM_004544	4758767	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10 (42kD)	1	GAAATAAAAGTGTTTCCATGGGA
					(NDUFA10), mRNA /cds=(21,1088)		3,11,11,01,01,01,11,00,11,000,1
2653	Table 3A	Hs.173611	NM_004550	4758785	NADH dehydrogenase (ubiquinone) Fe-	1	ACTAAAAAAGGAGAAATTATAATAAAT
					S protein 2 (49kD) (NADH-coenzyme Q		TAGCCGTCTTGCGCCCCTAGGCC
					reductase) (NDUFS2), mRNA /cds=(6,1397)		
2654	Table 3A	Hs 80595	NM_004552	4758789		1	ACGACAAACCTCCTTGTCAAAGTGTG
					S protein 5 (15kD) (NADH-coenzyme Q		TAAAAATAAAGGATTGCTCCATCC
					reductase) (NDUFS5), mRNA		
2655	Table 3A	Hs.91640	NM 004556	4758805	/cds=(71,391) nuclear factor of kappa light	1	CCACTGGGGAAGGGAAGTTTCAGTA
					polypeptide gene enhancer in B-cells	•	ACATGACACTAAAATGGCAGAGACG
0050	Toble 04	11- 74407	ND4 004555	4750005	inhibitor, epsilon (NFKBIE), mRNA		AAAAATTOOAAAAAAAAAA
2656	Table 3A	Hs.74497	NM_004559	4758829	nuclease sensitive element binding protein 1 (NSEP1), mRNA	1	AAAGATTGGAGCTGAAGACCTAAAGT GCTTGCTTTTTGCCCGTTGACCAG
2657	Table 3A	Hs.158225	NM_004571	4758929	PBX/knotted 1 hoemobox 1 (PKNOX1),	1	GAAGTCAGTGGGAAACACACAGAAAT
		=			mRNA /cds=(85,1392)		TTATTTTAAAATCTTTCAGGAGCT
2658	Table 3A	Hs.7688	NM_004576	4758953	protein phosphatase 2 (formerly 2A),	1	AGATGTATTAGAAGTCCTGACTTTCA
					regulatory subunit B (PR 52), beta isoform (PPP2R2B), mRNA		AGTGTAATTTGCTTTGGAGGAGGA
2659	literature	Hs 240457	NM_004584	4759021	RAD9 (S. pombe) homolog (RAD9),	1	CTGTGCAGAAGAGCTGCCAGGCAGT
					mRNA /cds=(76,1251)		GTCTTAGATGTGAGACGGAGGCCAT

Table 8

2660	Table 3A	Hs 75498	NM_004591		small inducible cytokine subfamily A (Cys-Cys), member 20 (SCYA20), mRNA /cds=(58,348)	1	ACATCATGGAGGGTTTAGTGCTTATC TAATTTGTGCCTCACTGGACTTGT
2661	Table 3A	Hs 30035	NM_004593	4759097	splicing factor, arginine/serine-rich (transformer 2 Drosophila homolog) 10 (SFRS10), mRNA /cds=(121,987)	1	TTGCTTACCAAAGGAGGCCCAATTTC ACTCAAATGTTTTGAGAACTGTGT
2662	Table 3A	Hs 53125	NM_004597	7242206	small nuclear ribonucleoprotein D2 polypeptide (16 5kD) (SNRPD2), mRNA /cds=(30,386)	1	TCACTCCTCTGTCCTATGAAGACCGC TGCCATTGGTGTTGAGAATAATAA
2663	literature	Hs.91175	NM_004618	10835217	topoisomerase (DNA) III alpha (TOP3A), mRNA /cds=(177,3182)	1	GTTAAGCCAGGACATCCAGAATTCAT TGCTTTAATAAAGAACCCAGGCCG
2664	Table 3A	Hs.75066	NM_004622	4759269	translin (TSN), mRNA /cds=(81,767)	1	TCAGTTTTAACAAATGCTATTAAAGTG GAGAAGCACACTCTGGTCTTGGA
2665	db mining	Hs.320	NM_004628	4759331	xeroderma pigmentosum, complementation group C (XPC), mRNA /cds=(191,2662)	1	CTCACTGCCTCTTTGCAGTAGGGGAG AGAGCAGAGAAGTACAGGTCATCT
2666	literature	Hs.8047	NM_004629	4759335	Fanconi anemia, complementation group G (FANCG), mRNA	1	TTGACTTTGCTCGAGGCACCTTTTTT CCTGTTTCTCCTTTTCTGTTGTCG
2667	Table 3A	Hs.159627	NM_004632	4758117	death associated protein 3 (DAP3),	1	AAATGGGTTTCACTGTGAATGCGTGA CAATAAGATATTCCCTTGTTCCTA
2668	Table 3A	Hs.237955	NM_004637	13794266	mRNA /cds=(73,1269) mRNA for RAB7 protein	1	AACGAATITCCTGAACCTATCAAACT GGACAAGAATGACCGGGCCAAGGC
2669	Table 3A	Hs.25911	NM_004638	4758107	/cds=(602,1225) HLA-B associated transcript 2 (BAT2),	1	CTTCCCCTGGTCCCCTGTCCCTGGG GCTGTTTGTTAAAAAAGAGTAATAA
2670	Table 3A	Hs 966	NM_004645	4758023	mRNA /cds=(101,6529) coilin (COIL), mRNA /cds=(22,1752)	1	ACCGTGAAAATTGGTTTCATTTAACAA AAGATCAGATCCCTCCTTCAGCT
2671	Table 3A	Hs.77578	NM_004652	11641424	ubiquitin specific protease 9, X chromosome (Drosophila fat facets related) (USP9X), transcript variant 1,	1	TTTCTTGTTACACCCACTGCACTCTG CAACCAGTGTTGCCTGCCTCATGG
2672	Table 3A	Hs.80358	NM_004653	4759149		1	GGGAAAAACAAGAATTTCATGACTCT ACCTGTGGTCTATCTTTAATTTCA
2673	Table 3A	Hs.121102	NM_004665	4759313	chromosome (SMCY), mRNA vanin 2 (VNN2), mRNA /cds=(11,1573)	1	GCTGTGCCCTTGAAGAGAATAGTAAT GATGGGAATTTAGAGGTTTATGAC
2674	Table 3A	Hs.6856	NM_004674	4757789	Drosophila, homolog)-like (ASH2L),	1	TCCAAGGAAATGGTAACCTGTTTCTG AGAACACCTGAAATCAATGGCTAT
2675	Table 3A	Hs.155103	NM_004681	4758253	1A, Y chromosome (EIF1AY), mRNA	1	TTCATTGTAATCCACTGTTTTGGCTTT CATGAACAAGTAAATTACAGTGT
2676	Table 3A	Hs.54483	NM_004688	4758813	/cds=(132,566) N-myc (and STAT) interactor (NMI), mRNA /cds=(280,1203)	1	ACTTATTTCCATGTTTCTGAATCTTCT TTGTTTCAAATGGTGCTGCATGT
2677	Table 3A	Hs.5097	NM_004710	4759201		1	ATGCCCGGCCTGGGATGCTGTTTGG AGACGGAATAAATGTTTTCTCATTC
2678	Table 3A	Hs.40323	NM_004725	4757879		1	TACTCTAAACCTGTTATTTCTGTGCTA ATAAACGAGATGCAGAACCCTTG
		====	NN4 004700	4750022	(BUB3), mRNA /cds=(70,1056)	1	TGCAGAGAGATACTAAGCAGCAAAAT
2679	Table 3A	Hs.77324	NM_004730	4759033	1 (ETF1), mRNA /cds=(135,1448)	1	CTTGGTGTTGTGATGTACAGAAAT AGTCTTTGATCTTGAACCGATACTTTT
2680	Table 3A	Hs.326159	NM_004735	4758689	protein 1 (LRRFIP1), mRNA	•	GGATCTCATTGTTGATATACCTG
2681	Table 3A	Hs.333513	3 NM_004757	4758265	member 1 (endothelial monocyte-	1	TGGAATCAAATAAAATGCTTCCACTA CCAAAAGACATTAGAGAAAACCTT
2682	Table 3A	Hs.9075	NM_004760	4758191	activating) (SCYE1), mRNA serine/threonine kinase 17a (apoptosis- inducing) (STK17A), mRNA /cds=(117,1361)	1	TGCCGAATACCTTAAAGTAACTAATTA TCCTTACACACAAAAGGCTCAGT
2683	Table 3A	Hs 170160	NM_004761	4758531		1	CTTTCCCAGGATCAAGGCCACAGGG AGGAAGATTGCACGGGCACTGTTCT
2684	Table 3A	Hs.1050	NM_004762	4758963		1	CTTGTAAACTAGCGCCAAGGAACTGC AGCAAATAAACTCCAACTCTGCCC
2685	i Table 3A	Hs.11482	NM_004768	4759099	(PSCD1), transcript variant 1, mRNA 9 splicing factor, arginine/serine-rich 11 (SFRS11), mRNA /cds=(83,1537)	1	TGTGCAGTAGAAACAAAAGTAGGCTA CAGTCTGTGCCATGTTGATGTACA
2686	Table 3A	Hs.15589	NM_004774	475926	5 PPAR binding protein (PPARBP), mRNA /cds=(235,4935)	1	AGGAGGGTTTAAATAGGGTTCAGAGA TCATAGGAATATTAGGAGTTACCT
2687	Table 3A	Hs.26703	NM_004779	475894	5 CCR4-NOT transcription complex, subunit 8 (CNOT8), mRNA	1	TGGTGGAAGTAAAAACTGGTAACTCA CTCAAGTGAATGAATGGTCTTGCA
2688	3 Table 3A	Hs.23965	NM_004790	475904		1	GCAGGAAAGGGAAACAGACGCGACA GCAACAAGAGCACCAGAAGTATATG
2689	Table 3A	Hs 77965	NM_004792	475810	C / Lulutum	1	TCCATTCTGTTTCGGATTTTAAGTTTG AGAGACTTGCTAATGAATCTCCT
2690	Table 3A	Hs.28757	NM_004800	475887		1	CCTTCAGAAACACCGTAATTCTAAAT AAACCTCTTCCCATACACCTTTCC

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2691	Table 3A	Hs.49587	NM_004811	4758669	leupaxin (LPXN), mRNA	1	CTGGACAACTTTGAGTACTGACATCA TTGATAAATAAACTGGCTTGTGGT
2692	Table 3A	Hs.168103	NM_004818	4759277	/cds=(93,1253) prp28, U5 snRNP 100 kd protein (U5-	1	CCCAGGGGATTTTTTAAGTAGATGGG GGGACACGGTGAACTGGCTGTGTC
2693	Table 3A	Hs 3628	NM_004834	4758523	100K), mRNA /cds=(39,2501) mitogen-activated protein kinase kinase kinase 4 (MAP4K4),	1	ACTCCAAAATAAATCAAGGCTGCAAT GCAGCTGGTGCTGTTCAGATTCCA
2694	Table 3A	Hs 102506	NM_004836	4758891	mRNA /cds=(79,3576) eukaryotic translation initiation factor 2- alpha kinase 3 (EIF2AK3), mRNA	1	TGAAATCTTAAGTGTCTTATATGTAAT CCTGTAGGTTGGTACTTCCCCCA
2695	Table 3A	Hs.227806	NM_004841	4758807	/cds=(72,3419) RAS protein activator like 2 (RASAL2), mRNA /cds=(125,3544)	1	TGGGAGTCTTCTCTTTTAGACAGGGG CTTTTTGTTTTTAACCCCAATTGT
2696	db mining	Hs.76364	NM_004847	6680470	allograft inflammatory factor 1 (AIF1), transcript variant 2, mRNA	1	TGACCCAGATATGGAAACAGAAGACA AAATTGTAAGCCAGAGTCAACAAA
2697	Table 3A	Hs.10649	NM_004848	4758579	basement membrane-induced gene (ICB-1), mRNA /cds=(128,982)	1	AGGTTTCATCAGGTGGTTAAAGTCGT CAAAGTTGTAAGTGACTAACCAAG
2698	Table 3A	Hs.274472	NM_004850	6633807	high-mobility group (nonhistone chromosomal) protein 1 (HMG1), mRNA /cds=(52,699)	1	ATGCTGTCAAAGTTACAGTTTACGCA GGACATTCTTGCCGTATTCTCATG
2699	Table 3A	Hs.178710	NM_004859	4758011		1	TGTGTGTTTACTAACCCTTCCCTGAG GCTTGTGTATGTTGGATATTGTGG
2700	Table 3A	Hs.76507	NM_004862	4758913	LPS-induced TNF-alpha factor (PIG7), mRNA /cds=(233,919)	1	TCTGTAATCAAATGATTGGTGTCATTT TCCCATTTGCCAATGTAGTCTCA
2701	Table 3A	Hs.59403	NM_004863	4758667	serine palmitoyltransferase, long chain base subunit 2 (SPTLC2), mRNA	1	TGCCCAGCAGCCATCTTAATACATTA AACCAGTTTAAAAAATACCTTCCA
2702	Table 3A	Hs.5409	NM_004875	4759045	/cds=(188,1876) RNA polymerase I subunit (RPA40), mRNA /cds=(22,1050)	1	GCCAGAGTTGCCAACCCCCGGCTGG ATACCTTCAGCAGAGAAATCTTCCG
2703	Table 3A	Hs.86371	NM_004876	4758513		1	AATCCATTAACACCTGCTCACATCTTA CTCAAAATTGTAGAGTTCATAGT
2704	Table 3A	Hs.75258	NM_004893	4758495	· · · · · · · · · · · · · · · · · · ·	1	ATTTGCAATTTGGAATTTGTGTGAGTT GATTTAGTAAAATGTTAAACCGC
2705	Table 3A	Hs 80426	NM_004899	4757871		1	AAGTAAAGCCTCAGGAATGCCCACG CCTTTCTTCCAAAGCCTTTGTCTCT
2706	Table 3A	Hs.145696	NM_004902	4757925		1	TCAAACAAATGACTTTCATATTGCAAC AATCTTTGTAAGAACCACTCAAA
2707	Table 3A	Hs.119	NM_004906	4758635	Wilms' tumour 1-associating protein (KIAA0105), mRNA /cds=(124,579)	1	GGGGAATGTGTTCCTTCATTGTATTT GGGCCTTTTGTATTGCACTCTTGA
2708	Table 3A	Hs.737	NM_004907	4758313		1	TTGTTTACCTTTCGTGCGGTGGATTC TTTTTAACTCCGTCTACCTGGCGT
					/cds=(424,1566)		GGGGTTTGTGCTATACACTGGGATGT
2709	Table 3A	Hs 288156	NM_004911	4758303	/cds=UNKNOWN	1	CTAATTGCAGCAATAAAGCCTTTC
2710	Table 3A	Hs.81964	NM_004922	4758633	SEC24 (S. cerevisiae) related gene family, member C (SEC24C), mRNA /cds=(114,3491)	1	ACCTGGGATGCCCCTGCTCTGGACC TCTCATTTCTCTTCATTGGTTTATT
2711	Table 3A	Hs.333417	NM_004930	4826658	capping protein (actin filament) muscle Z-line, beta (CAPZB), mRNA	1	AGCCTGCTTCTGCCACACCTCGCTCT CAGTCTCTCCACATTTCCATAGAG
2712	Table 3A	Hs.2299	NM_004931	4826666		1	AAGTTTCTCAGCTCCCATTTCTACTCT CCCATGGCTTCATGCTTCTTTCA
2713	Table 3A	Hs.171872	NM_004941	4826689	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 8 (RNA helicase) (DDX8), mRNA /cds=(73,3735)	1	GAGCTACTGTGCTCATCTAAAGTGTT TGCCCCACTTCCCACCCCGTCTCC
2714	Table 3A	Hs.251064	NM_004965	482675	7 high-mobility group (nonhistone chromosomal) protein 14 (HMG14), mRNA /cds=(150,452)	1	ATGTTAAGATTTGTGTACAAATTGAAA TGTCTGTACTGATCCTCAACCAA
2715	Table 3A	Hs.808	NM_004966	1414115	· · · · · · · · · · · · · · · · · · ·	1	TCTGTTGATAGCTGGAGAACTTTAGT TTCAAGTACTACATTGTGAAAGCA
2716	literature	Hs.115541	NM_004972	1332506	 Janus kınase 2 (a protein tyrosine kinase) (JAK2), mRNA /cds=(494,3892) 	1	TGAGGGGTTTCAGAATTTTGCATTGC AGTCATAGAAGAGATTTATTTCCT
2717	Table 3A	Hs.40154	NM_004973	1186315		1	CCTTGGGAGGGAGACTTCATGTGGTT TATTGCGAGTTTTTTGTTTACTTT
2718	3 Table 3A	Hs.184050	NM_004985	482681	1 v-Ki-ras2 Kırsten rat sarcoma 2 viral oncogene homolog (KRAS2), mRNA	1	GTATGTTAATGCCAGTCACCAGCAGG CTATTTCAAGGTCAGAAGTAATGA
2719	Table 3A	Hs.27994	6 NM_004990	1404302	/cds=(192,758) 1 methionine-tRNA synthetase (MARS), mRNA /cds=(23,2725)	1	GCCCCTAAAGGCAAGAAGAAAAGTA AAAGACCTTGGCTCATAGAAAGTC
2720	Table 3A	Hs 75103	NM_005005	627454	n to the second	1	AGTGAAATATGTTACAGAACATGCAC TTGCCCTAATAAAAAATCAGTGAA

Table 8

2721	Table 3A	Hs.8248	NM_005006	4826855	NADH dehydrogenase (ubiquinone) Fe- S protein 1 (75kD) (NADH-coenzyme Q reductase) (NDUFS1), mRNA /cds=(46,2229)	1	TGCAGATGCTCTTAAAAGCATTGATA ACCTTTGTGACGAACATAAAGAGA
2722	Table 3A	Hs.182255	NM_005008	4826859	non-histone chromosome protein 2 (S. cerevisiae)-like 1 (NHP2L1), mRNA /cds=(94,480)	1	GCTAGTTCATGTGTTCTCCATTCTTGT GAGCATCCTAATAAATCTGTTCC
2723	Table 3A	Hs 151134	NM_005015	4826879	oxidase (cytochrome c) assembly 1-like (OXA1L), mRNA /cds=(0,1487)	1	AACCCTCCCAATATCCCTAGCAGCAG CAGCAAACCAAAGTCAAAGTATCC
2724	Table 3A	Hs 75721	NM_005022	4826897	profilin 1 (PFN1), mRNA /cds=(127,549)	1	CACCTCCCCCTACCCATATCCCTCCC GTGTGTGGTTGGAAAACTTTTGTT
2725	db mining	Hs.100724	NM_005037	4826929	peroxisome proliferative activated receptor, gamma (PPARG), mRNA	1	GAGTCCTGAGCCACTGCCAACATTTC CCTTCTTCCAGTTGCACTATTCTG
2726	literature	Hs 180455	NM_005053	4826963	RAD23 (S. cerevisiae) homolog A (RAD23A), mRNA /cds=(36,1127)	1	CCCCACCCAGAACAGAACCGTGTC TCTGATAAAGGTTTTGAAGTGAATA
2727	Table 3A	Hs.180610	NM_005066	4826997	splicing factor proline/glutamine rich (polypyrimidine tract-binding protein- associated) (SFPQ), mRNA /cds=(85,2208)	1	CCCATTTCTTGTTTTTAAAAGACCAAC AAATCTCAAGCCCTATAAATGGC
2728	Table 3A	Hs 149923	NM_005080	14110394	X-box binding protein 1 (XBP1), mRNA /cds=(48,833)	1	AGTGTAGCTTCTGAAAGGTGCTTTCT CCATTTATTTAAAACTACCCATGC
2729	Table 3A	Hs.1579	NM_005082	4827064	zinc finger protein 147 (estrogen- responsive finger protein) (ZNF147), mRNA /cds=(39,1931)	1	GAGTGCCGATTCCTCTTAGAGAAAA TCCATAGCCTTCAGATCTTGGTGT
2730	Table 3A	Hs 82712	NM_005087	4826735	fragile X mental retardation, autosomal homolog 1 (FXR1), mRNA	1	ACTTTGACACCTACTGTGTTATAAAAT ATATCATCAGATGTGCCTTGAGA
2731	Table 3A	Hs.21595	NM_005088	10835221	DNA segment on chromosome X and Y (unique) 155 expressed sequence (DXYS155E), mRNA /cds=(166,1323)	1	AGCTGTAACGTTCGCGTTAGGAAAGA TGGTGTTTATTCCAGTTTGCATTT
2732	literature	Hs.248197	NM_005092	4827033	tumor necrosis factor (ligand) superfamily, member 18 (TNFSF18), mRNA /cds=(0,533)	1	TGATATTCAACTCTGAGCATCAGGTT CTAAAAAATAATACATACTGGGGT
2733	Table 3A	Hs.75243	NM_005104	12408641	bromodomain-containing 2 (BRD2), mRNA /cds=(1701,4106)	1	GTCATCTCCCCATTTGGTCCCCTGGA CTGTCTTTGTTGATTCTAACTTGT
2734	Table 3A	Hs.95220	NM_005109	4826877	oxidative-stress responsive 1 (OSR1), mRNA /cds=(342,1925)	1	GAGAATAATGATGTACCAATAAGTGG AGATTCCTCCTTATGATGTATGCT
2735	literature	Hs.241382	NM_005118	4827031		1	ACAAGACAGACTCCACTCAAAATTTA TATGAACACCACTAGATACTTCCT
2736	Table 3A	Hs.11861	NM_005121	4827043	thyroid hormone receptor-associated protein, 240 kDa subunit (TRAP240), mRNA /cds=(77,6601)	1	TCCATACCATTGTGTGTGGAGGATTT ACAGCTAAGCTGTAGTTGCAGAGT
2737	Table 3A	Hs.3382	NM_005134	4826933	protein phosphatase 4, regulatory subunit 1 (PPP4R1), mRNA	1	ACACTTTTGATTGTTTTCTAGATGTCT ACCAATAAATGCAATTTGTGACC
2738	Table 3A	Hs.75981	NM_005151	4827049	ubiquitin specific protease 14 (tRNA- guanine transglycosylase) (USP14), mRNA /cds=(91,1575)	1	ACTGTACAATTTCTGAAGATGGTTATT AACACTGTGCTGTTAAGCATCCA
2739	Table 3A	Hs.152818	NM_005154	4827053	ubiquitin specific protease 8 (USP8), mRNA /cds=(317,3673)	1	TCAGTCCTTTCTTAGGGAAATGACAG GGCAAAGCAATTTTTCTGTTGGCT
2740	Table 3A	Hs.89399	NM_005176	6671590	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 2 (ATP5G2), mRNA /cds=(59,484)	1	AGTACAAGGCCCGAAGGGTAGTGAT GGTGCTAAACTCAACATGGATTTGG
2741	Table 3A	Hs.431	NM_005180	4885094	murine leukemia viral (bmi-1) oncogene homolog (BMI1), mRNA	1	CCCCAGTCTGCAAAAGAAGCACAATT CTATTGCTTTGTCTTGCTTATAGT
2742	Table 3A	Hs.838	NM_005191	4885122	CD80 antigen (CD28 antigen ligand 1, B7-1 antigen) (CD80), mRNA	1	CTTCTTTTGCCATGTTTCCATTCTGCC ATCTTGAATTGTCTTGTC
2743	Table 3A	Hs 247824	NM_005214	4885166	cytotoxic T-lymphocyte-associated protein 4 (CTLA4), mRNA /cds=(0,671)	1	GGGTCTATGTGAAAATGCCCCCAACA GAGCCAGAATGTGAAAAGCAATTT
2744	literature	Hs.211567	NM_005215	4885174	deleted in colorectal carcinoma (DCC), mRNA /cds=(0,4343)	1	CCTTCTTTCACAGGCATCAGGAATTG TCAAATGATGATTATGAGTTCCCT
2745	literature	Hs.34789	NM_005216	4885176	dolichyl-diphosphooligosaccharide- protein glycosyltransferase (DDOST), mRNA /cds=(0,1370)	1	CATCTTCAGCATCGTCTTCTTGCACA TGAAGGAGAAGGAGAAGTCCGACT
2746	literature	Hs.89296	NM_005236	4885216	excision repair cross-complementing rodent repair deficiency, complementation group 4 (ERCC4),	1	GGGAATGCTGCAAATGCCAAACAGCT TTATGATTTCATTCACACCTCTTT
2747	Table 3A	Hs 129953	NM_005243	4885224	- · · · · · · · · · · · · · · · · · · ·	1	TTAAAAATGGTTGTTTAAGACTTTAAC AATGGGAACCCCTTGTGAGCATG
2748	Table 3A	Hs.1422	NM_005248	4885234	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog (FGR), mRNA /cds=(147,1736)	1	GGGAGAAGTTTGCAGAGCACTTCCC ACCTCTCTGAATAGTGTGTATGTGT
2749	Table 3A	Hs.79022	NM_005261	4885262	GTP-binding protein overexpressed in skeletal muscle (GEM), mRNA /cds=(213,1103)	1	TGGTTGACCCTTGTATGTCACAGCTC TGCTCTATTTATTATTATTTGCA

2750	Table 3A	Hs 73172	NM_005263	4885266	growth factor independent 1 (GFI1),	1	TGGGAAGGAAGGCTCTGTCTTCAACT
2751	Table 3A	Hs 237519	NM_005271	4885280	mRNA /cds=(267,1535) yz35c09 s1 cDNA, 3' end	1	CTTTGACCCTCCATGTGTACCATA GCATGGCTTAACCTGGTGATAAAAGC
2752	Table 3A	Hs 239891	NM_005301	4885320	/clone=IMAGE:285040 /clone_end=3' G protein-coupled receptor 35	1	AGTTATTAAAAGTCTACGTTTTCC CTCCCCGTGCTAAGGCCCACAAAAG
2753	Table 3A	Hs 289101	NM 005313	4885358	(GPR35), mRNA /cds=(0,929) glucose regulated protein, 58kD	1	CCAGGACTCTCTGTGCGTGACCCTC AATTCAAGAAGAAAAACCCAAGAAGA
2754	literature	Hs 89578	NM_005316	4885364	(GRP58), mRNA /cds=(0,1517)	1	AGAAGAAGGCACAGGAGGATCTCT TCCCAGAGCTGATGCTATTGTACTTG
2/34	merature	115 05370	14141_003310	4805504	factor IIH, polypeptide 1 (62kD subunit), clone MGC 8323 IMAGE:2819217,	,	CACATTGGAGACTGAAAGGAAAGA
					mRNA, complete cds /cds=(169,1815)		
2755	literature	Hs.136857	NM_005320	4885376	H1 histone family, member 3 (H1F3), mRNA /cds=(0,665)	1	GGGGAAGCCGAAGGTTACAAAGGCA AAGAAGGCAGCTCCGAAGAAAAAGT
2756	Table 3A	Hs.14601	NM_005335	4885404	hematopoietic cell-specific Lyn	1	TCCCTGAAGAAATATCTGTGAACCTT
2757	Table 3A	Hs.132834	NM_005337	4885410		1	CTTTCTGTTCAGTCCTAAAATTCG CCTCTCCGACCTTCATCACTATTCTTA
2758	Table 3A	Hs.193989	NM_005345	5579469	mRNA /cds=(1582,3423) TAR DNA binding protein (TARDBP),	1	GGATAATGCTGGCGGGCAGAGAT ACTGCCATCTTACGACTATTTCTTCTT
2759	Table 3A	Hs.274402	NM_005346	5579470	mRNA /cds=(88,1332) heat shock 70kD protein 1B (HSPA1B),	1	TTTAATACACTTAACTCAGGCCA AGGGTGTTTCGTTCCCTTTAAATGAA
2760	Table 3A	Hs.289088	NM_005348	13129149	mRNA /cds=(152,2077) heat shock 90kD protein 1, alpha	1	TCAACACTGCCACCTTCTGTACGA GACCCTACTGCTGATGATACCAGTGC
			_		(HSPCA), mRNA /cds=(60,2258)		TGCTGTAACTGAAGAAATGCCACC
2761	Table 3A	Hs.1765	NM_005356	4885448	lymphocyte-specific protein tyrosine kinase (LCK), mRNA /cds=(51,1580)	1	CATTTCCTGAGACCACCAGAGAGAG GGGAGAAGCCTGGGATTGACAGAAG
2762	Table 3A	Hs.1765	NM_005356	4885448	lymphocyte-specific protein tyrosine kinase (LCK), mRNA /cds=(51,1580)	1	CATTTCCTGAGACCACCAGAGAGAG GGGAGAAGCCTGGGATTGACAGAAG
2763	db mining	Hs.75862	NM_005359	4885456	MAD (mothers against decapentaplegic, Drosophila) homolog	1	GCTAAGAAGCCTATAAGAGGAATTTC TTTTCCTTCATTCATAGGGAAAGG
2764	Table 3A	Hs 297939	NM_005385	6631099	• •	1	ACTGACAGAGTGAACTACAGAAATAG
2765	literature	Hs.301862	NM_005395	4885552	/cds=(177,1196) postmeiotic segregation increased 2-	1	CTTTTCTTCCTAAAGGGGATTGTT CAGACAATGGATGTGGGGTAGAAGA
2766	Table 3A	Hs 288757	NM_005402	4885568	like 9 (PMS2L9), mRNA /cds=(0,794) v-ral simian leukemia viral oncogene	1	AGAAAACTTTGAAGGCTTAATCTCT AAAAGAAGAGGAAAAGTTTAGCCAAG
2700	Table on	113 2007 07	14141_000402	4000000	homolog A (ras related) (RALA), mRNA /cds=(0,629)	•	AGAATCAGAGAAAGATGCTGCATT
2767	literature	Hs.103982	NM_005409	14790145	small inducible cytokine subfamily B (Cys-X-Cys), member 11 (SCYB11), mRNA /cds=(93,377)	1	AGTGCACATATTTCATAACCAAATTAG CAGCACCGGTCTTAATTTGATGT
2768	Table 3A	Hs.72988	NM_005419	4885614	signal transducer and activator of transcription 2, 113kD (STAT2), mRNA	1	TAGACCTCTTTTTCTTACCAGTCTCCT CCCCTACTCTGCCCCCTAAGCTG
2769	literature	Hs.129727	NM_005431	4885656	/cds=(57,2612) X-ray repair complementing defective	1	AGCACAGTAAAAGTAAAGACTATTCT
					repair in Chinese hamster cells 2 (XRCC2), mRNA /cds=(86,928)		GTTTCTAGGCTGTTGAATCAAAGT
2770	literature	Hs.99742	NM_005432	12408644	X-ray repair complementing defective repair in Chinese hamster cells 3 (XRCC3), mRNA /cds=(353,1393)	1	CATGGGCACAGTGGTGACCCCCTTG ATTCCCACCGTACAACCCCCTCCAC
2771	literature	Hs.75238	NM_005441	4885104		1	CGTTATCCAGTGTGAAAATCAGTGAG TCCTCCCTGGCATCCTCGTGAAAG
2772	Table 3A	Hs.301704	NM_005442	11321608	eomesodermin (Xenopus laevis) homolog (EOMES), mRNA	1	GCTGAAGAGTATAGTAAAGACACCTC AAAAGGCATGGGAGGGTATTATGC
2773	Table 3A	Hs.169487	NM_005461	4885446	Kreisler (mouse) maf-related leucine	1	TTCAGACTGGTTTCTGTTTTTTGGTTA TTAAAATGGTTTCCTATTTTGCT
2774	Table 3A	Hs 170311	NM_005463	14110410	zipper homolog (KRML), mRNA heterogeneous nuclear	1	TTTATGATTAGGTGACGAGTTGACAT
					ribonucleoprotein D-like (HNRPDL), transcript variant 1, mRNA		TGAGATTGTCCTTTTCCCCTGATC
2775	literature	Hs 24284	NM_005484	11496991	poly(ADP-ribose) polymerase)-like 2	1	CCCCAACCAGGTCCGTATGCGGTAC CTTTTAAAGGTTCAGTTTAATTTCC
2776	literature	Hs 271742	NM_005485	11496992	(ADPRTL2), mRNA /cds=(149,1753) ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase)-like 3	1	TCCTGCAAGGCTGGACTGTGATCTTC AATCATCCTGCCCATCTCTGGTAC
2777	Table 3A	Hs.180370	NM_005507	5031634	(ADPRTL3), mRNA /cds=(246,1847) cofilin 1 (non-muscle) (CFL1), mRNA /cds=(51,551)	1	GGTCACGGCTACTCATGGAAGCAGG ACCAGTAAGGGACCTTCGATTAAAA
2778	literature	Hs.184926	NM_005508	5031626	chemokine (C-C motif) receptor 4 (CCR4), mRNA /cds=(182,1264)	1	CCTTCTAACCTGAACTGATGGGTTTC TCCAGAGGGAATTGCAGAGTACTG
2779	Table 3A	Hs.77961	NM_005514	5031742	major histocompatibility complex, class	1	ATGTGTAGGAGGAAGAGTTCAGGTG
2780	Table 3A	Hs 334767	NM_005517	5031748	I, B (HLA-B), mRNA /cds=(0,1088) hypothetical protein MGC5629 (MGC5629), mRNA /cds=(285,539)	1	GAAAAGGAGGGAGCTACTCTCAGGC AACGATTGTCTGCCCATGTCCTGCCT GAAATACCATGATTGTTTATGGAA
					(=: · · · · = = · · · · · · · · · · · ·

Table 8

2781	Table 3A	Hs.245710	NM_005520	5031752	heterogeneous nuclear ribonucleoprotein H1 (H) (HNRPH1),		TTCCTTTTAGGTATATTGCGCTAAGT GAAACTTGTCAAATAAATCCTCCT
2782	Table 3A	Hs 177559	NM_005534	5031782	interferon gamma receptor 2 (interferon gamma transducer 1) (IFNGR2), mRNA /cds=(648,1661)	1	GTCTTGACTTTGGCAAATGAGCCGGA GCCCCTTGGGCAGGTCACACAACC
2783	literature	Hs 121544	NM_005535	5031784	interleukin 12 receptor, beta 1 (IL12RB1), mRNA /cds=(64,2052)	1	GATACAGAGTTGTCCTTGGAGGATGG AGACAGGTGCAAGGCCAAGATGTG
2784	Table 3A	Hs.155939	NM_005541	5031798	inositol polyphosphate-5-phosphatase, 145kD (INPP5D), mRNA	1	TCCCATGATGGAAGTCTGCGTAACCA ATAAATTGTGCCTTTCTCACTCAA
2785	Table 3A	Hs.56205	NM_005542	5031800	insulin induced gene 1 (INSIG1), mRNA /cds=(414,1247)	1	TCTACATGTCTTGGGGGGGGGGCTCA AATTCTTCGAAAGTGGTTGGATTAA
2786	Table 3A	Hs 211576	NM_005546	5031810	IL2-inducible T-cell kinase (ITK), mRNA /cds=(2021,3883)	1	ACCTGTTATCCTTTGTAGAGCACACA GAGTTAAAAGTTGAATATAGCAAT
2787	Table 3A	Hs.23881	NM_005556	5031842	keratin 7 (KRT7), mRNA /cds=(56,1465)	1	TGAGCTTCTCCAGCAGTGCGGGTCC TGGGCTCCTGAAGGCTTATTCCATC
2788	Table 3A	Hs.81915	NM_005563	13518023	stathmin 1/oncoprotein 18 (STMN1), mRNA /cds=(91,540)	1	GCATGTCCTCATCCTTTCCTGCCATA AAAGCTATGACACGAGAATCAGAA
2789	Table 3A	Hs.2488	NM_005565	7382491	lymphocyte cytosolic protein 2 (SH2 domain-containing leukocyte protein of 76kD) (LCP2), mRNA /cds=(207,1808)	1	ACCCCTCCCCATGAACACAAGGGTTT TATCCTTTCCTTT
2790	Table 3A	Hs.314760	NM_005566	5031856	HOA7-1-F8 cDNA	1	TGCAACCAACTATCCAAGTGTTATAC CAACTAAAACCCCCAATAAACCTT
2791	db mining	Hs.153863	NM_005585	5031898	Smad6 mRNA, complete cds /cds=(936,2426)	1	ATGCCCAGACAAAAAGCTAATACCAG TCACTCGATAATAAAGTATTCGCA
2792	literature	Hs.20555	NM_005590	5031920	meiotic recombination (S. cerevisiae) 11 homolog A (MRE11A), mRNA /cds=(170,2296)	1	TGGCACTGAGAAACATGCAAGATACA GGAAAAATGAAAATGTTACAAGCT
2793	Table 3A	Hs 158164	NM_005594	5031930	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) (TAP1), mRNA /cds=(30,2456)	1	TCTCAAAGGAGTAACTGCAGCTTGGT TTGAAATTTGTACTGTTTCTATCA
2794	Table 3A	Hs.18069	NM_005606	5031990	Homo sapiens, protease, cysteine, 1 (legumain), clone MGC.15832 IMAGE:3507728, mRNA, complete cds	1	GTCAACCTTTGTGAGAAGCCGTATCC ACTTCACAGGATAAAATTGTCCAT
2795	Table 3A	Hs 256290	NM_005620	5032056	/cds=(1124,2425) S100 calcium-binding protein A11 (calgizzarin) (S100A11), mRNA /cds=(120,437)	1	ATCTCCACAGCCCACCCATCCCCTGA GCACACTAACCACCTCATGCAGGC
2796	Table 3A	Hs.8180	NM_005625	5032082	syndecan binding protein (syntenin) (SDCBP), mRNA /cds=(148,1044)	1	TTTCCTGACTCCTCCTTGCAAACAAA ATGATAGTTGACACTTTATCCTGA
2797	Table 3A	Hs.76122	NM_005626	5032088	splicing factor, arginine/serine-rich 4 (SFRS4), mRNA /cds=(47,1531)	1	CCTGCAGTAACCCATAGGAAATAAAC TGTAGAGTTCCATATTCTGCGGCC
2798	Table 3A	Hs.296323	NM_005627	5032090	serum/glucocorticoid regulated kinase (SGK), mRNA /cds=(42,1337)	1	TAGAAAGGGTTTTTATGGACCAATGC CCCAGTTGTCAGTCAGAGCCGTTG
2799	Table 3A	Hs.155188	NM_005642	14717406	TATA box binding protein (TBP)- associated factor, RNA polymerase II, F, 55kD (TAF2F), mRNA	1	TGTGATGACGTGAGATCAATAAGAAG AACCTAGTCTAGAGACAATGATGC
2800	literature	Hs.100030	NM_005652	5032168	telomeric repeat binding factor 2 (TERF2), mRNA /cds=(124,1626)	1	GTGCTTGCTGTCTCTCCCGGACACCC TTAAAGACTGTCTTTTTTAGCAAAA
2801	Table 3A	Hs.82173	NM_005655	5032176	TGFB inducible early growth response (TIEG), mRNA /cds=(123,1565)	1	AACATTGTTTTTGTATATTGGGTGTAG ATTTCTGACATCAAAACTTGGAC
2802	literature	Hs.170263	NM_005657	5032188	tumor protein p53-binding protein, 1 (TP53BP1), mRNA /cds=(173,6091)	1	TGTGTAACTGGATTCCTTGCATGGAT CTTGTATATAGTTTTATTTGCTGA
2803	Table 3A	Hs.2134	NM_005658	5032192		1	CAGGACCTCCAAGCCACTGAGCAAT GTATAACCCCAAAGGGAATTCAAAA
2804	Table 3A	Hs.7381	NM_005662	5032220	• • •	1	GATCTGACCCACCAGTTTGTACATCA CGTCCTGCATGTCCCACACCATTT
2805	Table 3A	Hs.155968	NM_005667	5031824	zinc finger protein homologous to Zfp103 in mouse (ZFP103), mRNA	1	ACAATCTCTGTCCAGCACCTCTTGGT TAAATAATGTATGCTGTGAGACAT
2806	Table 3A	Hs.172813	NM_005678	13027652	PAK-interacting exchange factor beta (P85SPR), mRNA /cds=(473,2413)	1	TGCGTCTTGTGAAATTGTGTAGAGTG TTTGTGAGCTTTTTGTTCCCTCAT
2807	Table 3A	Hs.30570	NM_005710	5031956		1	CTTCGGCCTCCCTGGCCCTGGGTTA AAATAAAAGCTTTCTGGTGATCCTG
2808	Table 3A	Hs 82425	NM_005717	5031592	actin related protein 2/3 complex, subunit 5 (16 kD) (ARPC5), mRNA	1	TGAGCTTGTGCTTAGTATTTACATTG GATGCCAGTTTTGTAATCACTGAC
2809	Table 3A	Hs.6895	NM_005719	5031596	, , ,	1	ATTTGAAATTTTCTGCAGCATTAAAGC TGGCGCTTAATAAGAATAAGTAA
2810	Table on						
2010	Table 3A	Hs.10927	NM_005721	7262289	HSZ78330 cDNA /clone=2.49-(CEPH)	1	TCGCATTCTGTTTCTTGCTTTAAAAGA AGAGTAAAGACAAGAGTGTTGGA
2811		Hs.10927 Hs.42915	NM_005721 NM_005722	7262289 5031570	HSZ78330 cDNA /clone=2.49-(CEPH)	1 1	
2811	Table 3A		_		HSZ78330 cDNA /clone=2.49-(CEPH) ARP2 (actin-related protein 2, yeast)		AGAGTAAAGACAAGAGTGTTGGA CCTGCCAGTGTCAGAAAATCCTATTT

2814	literature	Hs.41587	NM_005732	5032016	Rad50 (Rad50) mRNA, complete cds	1	TCGATCAGTGCTCAGAGATTGTGAAA TGCAGTGTTAGCTCCCTGGGATTC
2815	Table 3A	Hs 182591	NM_005739	6382080	/cds=(388,4326) RAS guanyl releasing protein 1	1	AGGACAAATCTTGTTGTATTAACAGC
					(calcium and DAG-regulated)		AGGGTCACTTCTCATTTTCTTTGC
2816	Table 3A	Hs.182429	NM_005742	5031972	(RASGRP1), mRNA /cds=(103,2496) protein disulfide isomerase-related	1	AGTCGTATTCTGTCACATAATATTTTG
0047	Table 04	11- 004004	- NIM 005745	40047070	protein (P5), mRNA /cds=(94,1416)	1	AAGAAAACTTGGCTGTCGAAACA AGGAGGGTGGGTGGAACAGGTGGAC
2817	Table 3A	Hs 291904	NM_005745	1004/0/6	accessory proteins BAP31/BAP29 (DXS1357E), mRNA /cds=(136,876)	,	TGGAGTTTCTCTTGAGGGCAATAAA
2818	Table 3A	Hs.291904	NM_005745	10047078	accessory proteins BAP31/BAP29	1	AGGAGGTGGGTGGACAGAGAGA
2819	Table 3A	Hs.239138	NM 005746	5031976	(DXS1357E), mRNA /cds=(136,876) pre-B-cell colony-enhancing factor	1	TGGAGTTTCTCTTGAGGGCAATAAA TGCACCTCAAGATTTTAAGGAGATAA
			_		(PBEF), mRNA /cds=(27,1502)		TGTTTTTAGAGAGAATTTCTGCTT
2820	Table 3A	Hs.179608	NM_005771	5032034	retinol dehydrogenase homolog (RDHL), mRNA /cds=(7,978)	1	GCTTATGGTCCCCAGCATTTACAGTA ACTTGTGAATGTTAAGTATCATCT
2821	Table 3A	Hs.173993	NM_005777	5032032	RNA binding motif protein 6 (RBM6),	1	CTTGTTTTGTTTGTCTCCTCTTTTCTT
2822	Table 3A	Hs.201675	NM_005778	5032030	mRNA /cds=(133,3504) RNA binding motif protein 5 (RBM5),	1	TTGTTACTGTTCTTGCTGCTAGA TTTTGGAAGATTTTCAGTCTAGTTGC
				5004040	mRNA /cds=(148,2595)		CAAATCTGGCTCCTTTACAAAAGA
2823	Table 3A	Hs.152720	NM_005792	5031918	M-phase phosphoprotein 6 (MPHOSPH6), mRNA /cds=(32,514)	1	TCAAGAATAAAAATGCCTCTCCAGCC TTAAGTATTTACATGCTCCCAGGT
2824	Table 3A	Hs.179982	NM_005802	5032190	tumor protein p53-binding protein	1	TCTGGAAATGTGTTATAAGCTAGGAG
2825	Table 3A	Hs 143460	NM_005813	6563384	(TP53BPL), mRNA /cds=(540,2987) protein kinase C, nu (PRKCN), mRNA	1	AATCCCTTTGGACAGTCTTTATTT ATTTCCTATCACCATACTTTTCCATGT
			_	5000440	/cds=(555,3227)		GAAAACCTGAGCCTATTTCTAGT
2826	Table 3A	Hs.142023	NM_005816	5032140	T cell activation, increased late expression (TACTILE), mRNA	1	TGGCTGTTGCTTTGCTTCATGTGTAT GGCTATTTGTATTTAACAAGACTT
2827	Table 3A	Hs.157144	NM_005819	5032130	syntaxin 6 (STX6), mRNA /cds=(0,767)	1	ATAGCCATCCTCTTTGCAGTCCTGTT GGTTGTGCTCATCCTCTTCCTAGT
2828	Table 3A	Hs.99491	NM_005825	5031622	RAS guanyl releasing protein 2	1	AGGGCCAGGGCTGGTGTCCCTAAGG
					(calcium and DAG-regulated) (RASGRP2), mRNA /cds=(253,2082)		TTGTACAGACTCTTGTGAATATTTG
2829	Table 3A	Hs.15265	NM_005826	14141188	heterogeneous nuclear	1	GCCGTGACAATTTGTTCTTTGATGTG
2830	Table 3A	Hs.18192	NM 005839	5032118	ribonucleoprotein R (HNRPR), mRNA Ser/Arg-related nuclear matrix protein	1	ATTGTATTTCCAATTTCTTGTTCA TGGTATATACAACTTTCAGAGCCTCT
2000	Table on	113.10102	14111_000000	0002110	(plenty of prolines 101-like) (SRM160),	·	TGTATTTGGAAGGCTGGAAGGCC
2831	Table 3A	Hs.29117	NM_005859	5032006	mRNA /cds=(5,2467) purine-rich element binding protein A	1	GCTACTGCAGGGTGAGGAAGAAGGG
2001	table of t	110.20171		0002000	(PURA), mRNA /cds=(59,1027)		GAAGAAGATTGATCAAACAGAATGA
2832	Table 3A	Hs 23964	NM_005870	12056471	sin3-associated polypeptide, 18kD	1	TGTTTCAAGCCCTTCTGTAAAATATGA
			_		(SAP18), mRNA /cds=(573,1034)		AGAAAAGTCTCTTAGCATTCTGT
2833	Table 3A	Hs.22960	NM_005872	5031652	breast carcinoma amplified sequence 2 (BCAS2), mRNA /cds=(48,725)	1	TTCTAAACACATTCTTGATCACCAAAC AACTTCAGAAAGACAGTGACTGT
2834	Table 3A	Hs.21756	NM_005875	5031710	translation factor sui1 homolog (GC20),	1	ATCTTTGTGAGCAATTATGCTCCCAA
2835	Table 3A	Hs.21189	NM_005880	7549807	mRNA /cds=(241,582) DnaJ (Hsp40) homolog, subfamily A,	1	ATCTAAGCAAGTAATAAAGAAGGG TGTAAAGTTTGTACAATTTGTCCTGAA
			_		member 2 (DNAJA2), mRNA /cds=(52,1290)		GCTTTGTGTTTGGCTGCACCTGC
2836	Table 3A	Hs.277721	NM_005899	14110374	membrane component, chromosome	1	ACAGTATAACTCCTGAATGCTACTTA
					17, surface marker 2 (ovarian		AATAAACCAGGATTCAAACTGCAA
					transcript variant 2, mRNA		
2837	db mining	Hs.82483	NM_005901	5174510	MAD (mothers against decapentaplegic, Drosophila) homolog	1	AGAAGCAGATTTTCCTGTAGAAAAAC TAATTTTTCTGCCTTTTACCAAAA
					2 (MADH2), mRNA /cds=(55,1458)		
2838	db mining	Hs 288261	NM_005902	5174512	cDNA: FLJ23037 fis, clone LNG02036, highly similar to HSU68019 mad protein	1	GAGCTTGCTCCAGATTCTGATGCATA CGGCTATATTGGTTTATGTAGTCA
					homolog (hMAD-3) mRNA		
2839	db mining	Hs.100602	NM 005904	5174516	/cds=UNKNOWN MAD (mothers against	1	ATGGGTGTTATCACCTAGCTGAATGT
	ŭ				decapentaplegic, Drosophila) homolog		TTTTCTAAAGGAGTTTATGTTCCA
2840	Table 3A	Hs.75375	NM_005917	5174538	7 (MADH7), mRNA /cds=(295,1575) malate dehydrogenase 1, NAD	1	ACGTGCTTCTTGGTACAGGTTTGTGA
2044	Table 24	Ha 20252	- NM 005022	5000007	(soluble) (MDH1), mRNA	1	ATGACAGTTTATCGTCATGCTGTT TGTTGTTGTTGGCAAGCTGCAGGTTT
2841	Table 3A	Hs.32353	NM_005922	5803087	kinase kinase 4 (MAP3K4), transcript	'	GTAATGCAAAAGGCTGATTACTGA
2842	Table 3A	Hs.68583	NM_005932	5174566	variant 1, mRNA /cds=(142,4965) mitochondrial intermediate peptidase	1	TCATTGTTCGCTTCTGTAATTCTGAAA
2072	, abic on	719.00000	.4141_000002	5.74000	(MIPEP), nuclear gene encoding	•	AACTTTAAACTGGTAGAACTTGG
					mitochondrial protein, mRNA /cds=(74,2215)		
2843	Table 3A	Hs 211581	NM_005955	5174588	metal-regulatory transcription factor 1	1	CCAGTGCTGTTTGGTGGTCTGCCTTC
2844	Table 3A	Hs.78103	NM_005969	5174612	(MTF1), mRNA /cds=(83,2344) nucleosome assembly protein 1-like 4	1	TTTTTAATGGTATTTTCTTCCTCA GCCCCACCATTCATCCTGTCTGAAGG
			-		(NAP1L4), mRNA /cds=(149,1276)		TCCTGGGTTTGGTGTGACCGCTTG

Table 8

2845	Table 3A	Hs.48029	NM_005985	5174686	snail 1 (drosophila homolog), zinc	1	CCGACAGGTGGGCCTGGGAGGAAAA TGTTTACATTTTTAAAGGCACACTG
2846	Table 3A	Hs 12570	NM_005993	8400735	finger protein (SNAt1), mRNA tubulin-specific chaperone d (TBCD),	1	GGGGTGGACGCCTCTGCCTTCACTT
2847	Table 3A	Hs 1708	NM_005998	5174726	mRNA /cds=(109,3687) chaperonin containing TCP1, subunit 3	1	GAACACAAATGTGCTTCCTATAAAA GGCAGCCCCAGTCCCTTTCTGTCC
0040	T-11- 0A	Us 0740	NIM ODEOOS	5174740	(gamma) (CCT3), mRNA /cds=(0,1634) ubiquinol-cytochrome c reductase,	1	CAGCTCAGTTTTCCAAAAGACACTG CTGTTAAGCACTGTTATGCTCAGTCA
2848	Table 3A	Hs.3712	NM_006003	5174742	Rieske iron-sulfur polypeptide 1 (UQCRFS1), nuclear gene encoding	'	TACACGCGAAAGGTACAATGTCTT
2849	Table 3A	Hs.73818	NM_006004	5174744	mitochondrial protein, mRNA ubiquinol-cytochrome c reductase hinge protein (UQCRH), mRNA	1	ATGGGTTTGGCTTGAGGCTGGTAGCT TCTATGTAATTCGCAATGATTCCA
2850	Table 3A	Hs.3776	NM_006007	5174754	zinc finger protein 216 (ZNF216), mRNA /cds=(288,929)	1	TTCAGTTTTGCTTTCAATTTTATGTAC CTTAGTTCTGAGTTAGACCTGCA
2851	Table 3A	Hs.272897	NM_006009	5174732	Tubulin, alpha, brain-specific (TUBA3), mRNA /cds=(0,1355)	1	AAGGATTATGAGGAGGTTGGTGCA TTCTGTTGAAGGAGAGGGTGAGGA
2852	Table 3A	Hs 75412	NM_006010	5174392	arginine-rich, mutated in early stage tumors (ARMET), mRNA	1	TCCCTTCCTTCTGTTGCTGGTGTACT CTAGGACTTCAAAGTGTGTCTGGG
2853	Table 3A	Hs.43910	NM_006016	5174406	CD164 antigen, sialomucin (CD164), mRNA /cds=(79,648)	1	AGTTCATTAAAAACTGCAAAACCAAT CTGTATCATGTACCAAACTGACTT
2854	Table 3A	Hs.137555	NM_006018	5174460	putative chemokine receptor; GTP- binding protein (HM74), mRNA	1	TGCACGTTCCTCCTGGTTCCTTCGCT TGTGTTTCTGTACTTACCAAAAAT
2855	Table 3A	Hs.46465	NM_006019	5174620	T-cell, immune regulator 1 (TCIRG1), mRNA /cds=(57,2546)	1	TGCCAGACCTCCTTCCTGACCTCTGA GGCAGGAGAGGAATAAAGACGGTC
2856	literature	Hs.54418	NM_006020	5174384	alkylation repair, alkB homolog (ABH), mRNA /cds=(223,1122)	1	AGTCCCAAGGGTGTTTTGTTACTGTT TTCTCCATGAATAAACTCACTTGA
2857	Table 3A	Hs.43628	NM_006021	5174494	deleted in lymphocytic leukemia, 2 (DLEU2), mRNA /cds=(240,494)	1	ATTAATGTCATTTCTGGAAGTGTGAA AATGTTAATGTTCAACAAGCAACA
2858	Table 3A	Hs.82043	NM_006023	5174422	D123 gene product (D123), mRNA /cds=(280,1290)	1	GCGGGTGGGCCGAGCAGTGTGGACA TCAGCCACTTTTTATATTCATGTAC
2859	Table 3A	Hs.997	NM_006025	5174622	protease, serine, 22 (P11), mRNA /cds=(154,1263)	1	CCACTGAGAACTAAATGCTGTACCAC AGAGCCGGGTGTGAACTATGGTTT
2860	Table 3A	Hs.109804	NM_006026	5174448	H1 histone family, member X (H1FX), mRNA /cds=(101,742)	1	AAACAATCGCTCCGGGCTCAGGGCT GCGCGGCTCTTCCCTTCATTCCATG
2861	Table 3A	Hs.24594	NM_006048	5174482	ubiquitination factor E4B (homologous to yeast UFD2) (UBE4B), mRNA /cds=(85,3993)	1	TGTCCTCTGTTCAATTCCTAACGCAA ACTACAATAAATGGTGACACACGT
2862	Table 3A	Hs.274243	NM_006054	5174654	receptor tyrosine kinase-like orphan receptor 1 (ROR1), mRNA	1	AGCACCTAAGGAGCTTGAATCTTGGT TCCTGTAAAATTTCAAATTGATGT
2863	Table 3A	Hs.54452	NM_006060	5174500	zinc finger protein, subfamily 1A, 1 (Ikaros) (ZNFN1A1), mRNA	1	ACCAACACTGTCCCAAGGTGAAATGA AGCAACAGAGAGGAAATTGTACAT
2864	Table 3A	Hs.318501	NM_006074	5174698	stimulated trans-acting factor (50 kDa) (STAF50),	1	TGTCAGCCATTTCAATGTCTTGGGAA ACAATTTTTTGTTTTTGTTCTGTT
2865	Table 3A	Hs.8024	NM_006083	11038650	IK cytokine, down-regulator of HLA II (IK), mRNA /cds=(111,1784)	1	AGAGCTTGATCGCCAGTGGAAGAAG ATTAGTGCAATCATTGAGAAGAGGA
2866	Table 3A	Hs.1706	NM_006084	5174474	interferon-stimulated transcription factor 3, gamma (48kD) (ISGF3G),	1	TTTCCCTCTTCCCTGACCTCCCAACT CTAAAGCCAAGCACTTTATATTTT
2867	Table 3A	Hs.5662	NM_006098	5174446	protein), beta polypeptide 2-like 1	1	GGCAGGTGACCATTGGCACACGCTA GAAGTTTATGGCAGAGCTTTACAAA
2868	Table 3A	Hs.284142	NM_006134	8659558		1	CTGTTTGTAGATAGGTTTTTTATCTCT CAGTACACATTGCCAAATGGAGT
2869	Table 3A	Hs.1987	NM_006139	5453610	(C21orf4), mRNA /cds=(158,634) CD28 antigen (Tp44) (CD28), mRNA	1	GCTCACCTATTTGGGTTAAGCATGCC AATTTAAAGAGACCAAGTGTATGT
2870	Table 3A	Hs.82646	NM_006145	5453689	/cds=(222,884) heat shock 40kD protein 1 (HSPF1),	1	TAGACTCATTGTAAGTTGCCACTGCC AACATGAGACCAAAGTGTGTGACT
2871	Table 3A	Hs.334851	NM_006148	5453709	mRNA /cds=(40,1062) LIM and SH3 protein 1 (LASP1), mRNA /cds=(75,860)	1	CAAACCTTTCTGGCCTGTTATGATTC TGAACATTTGACTTGAACCACAAG
2872	Table 3A	Hs.40202	NM_006152	5453723		1	GGGAAAGTATAGCATGAAACCAGAG GTTCTCAGAATGACCGTAAGATAGC
2873	Table 3A	Hs.75512	NM_006156	5453759	neural precursor cell expressed, developmentally down-regulated 8	1	AGTCCTGTGTGCTTCCCTCTCTTATG ACTGTGTCCCTGGTTGTCAATAAA
2874	Table 3A	Hs.79389	NM_006159	5453765	(NEDD8), mRNA /cds=(99,344) nel (chicken)-like 2 (NELL2), mRNA	1	ATCTTCAGAATCAGTTAGGTTCCTCA CTGCAAGAAATAAAATGTCAGGCA
2875	Table 3A	Hs 96149	NM_006162	5453771	· · · · · · · · · · · · · · · · · · ·	1	CTTCTGGCACCCCTGGGGTTCAATAC
2876	Table 3A	Hs.75643	NM_006163	5453773	complete cds /cds=(369,2846) nuclear factor (erythroid-derived 2), 45kD (NFE2), mRNA /cds=(273,1394)	1	TGGAAGTGCCTTATTTAACCAGAC GGTCTTTAGCCTCCACCTTGTCTAAG CTTTGGTCTATAAAGTGCGCTACA
2877	Table 3A	Hs.155396	NM_006164	5453775	nuclear factor (erythroid-derived 2)-like 2 (NFE2L2), mRNA /cds=(39,1808)	1	TGATGATATGACATCTGGCTAAAAAG AAATTATTGCAAAACTAACCACGA
2878	Table 3A	Hs 95262	NM_006165	5453777		1	TCCAAAGCAGTCTCCACTGTTGTTGT GACTACAGCTCCGTCTCCTAAACA
2879	Table 3A	Hs.15243	NM_006170	5453791		1	ATTGTCACCAGGTTGGAACTCTTGCC TCTGTGAGGATGCCTTCTCTACTG

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2880	Table 3A	Hs.82120	NM_006186	5453821	nuclear receptor subfamily 4, group A, member 2 (NR4A2), mRNA	1	TTTTCTTTGTATATTTCTAGTATGGCA CATGATATGAGTCACTGCCTTTT
2881	Table 3A	Hs 41694	NM_006190	5453829	/cds=(317,2113) origin recognition complex, subunit 2 (yeast homolog)-like (ORC2L), mRNA	1	TGACCTTCATGATACCAGTGAGAAGC CAGGCTAGAGAAATAAAATCCTGA
2882	Table 3A	Hs 2853	NM_006196	14141164	/cds=(186,1919) poly(rC)-binding protein 1 (PCBP1), mRNA /cds=(177,1247)	1	ACGGATTGGTTAAAAAATGCTTCATA TTTGAAAAAGCTGGGAATTGCTGT
2883	Table 3A	Hs 79709	NM_006224	5453907	phosphotidylinositol transfer protein (PITPN), mRNA /cds=(216,1028)	1	GTCTCTCCATTGTGTTCCGATCCA TTTCTGTGTGTTCCCCCAACCTTT
2884	Table 3A	Hs.89040	NM_006228	11079650	prepronociceptin (PNOC), mRNA /cds=(211,741)	1	GCCACTGCCATAACTTGTTTGTAAAA GAGCTGTTCTTTTTGACTGATTGT
2885	literature	Hs 166846	NM_006231	5453925	polymerase (DNA directed), epsilon (POLE), mRNA /cds=(44,6904)	1	GAACATTGCCCAGCACTACGGCATGT CGTACCTCCTGGAGACCCTGGAGT
2886	Table 3A	Hs.155079	NM_006243	5453949	protein phosphatase 2, regulatory subunit B (B56), alpha isoform (PPP2R5A), mRNA /cds=(571,2031)	1	ATCTTCATTGGGGGATTGAGCAGCAT TTAATAAAGTCTATGTTTGTATTT
2887	Table 3A	Hs.9247	NM_006251	5453963	protein kinase, AMP-activated, alpha 1 catalytic subunit (PRKAA1), mRNA /cds=(23,1675)	1	TTATAACCGAGGGCTGGCGTTTTGGA ATCGAATTTCGACAGGGATTGGAA
2888	Table 3A	Hs.315366	NM_006255	5453971	protein kinase C, eta (PRKCH), mRNA /cds=(166,2214)	1	TTCCCAGCATCAGCCTTAGAACAAGA ACCTTACCTTCAAGGAGCAAGTGA
2889	Table 3A	Hs.75348	NM_006263	5453989	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) (PSME1), mRNA /cds=(92,841)	1	CCAGATTTTCCCCAAACTTGCTTCTG TTGAGATTTTTCCCTCACCTTGCC
2890	Table 3A	Hs 81848	NM_006265	5453993	RAD21 (S. pombe) homolog (RAD21), mRNA /cds=(184,2079)	1	AACCAAGGAGTTTTCCCCGTTTGTAA AAAGACATTGTAGATAATTGAATG
2891	Table 3A	Hs.199179	NM_006267	6382078	RAN binding protein 2 (RANBP2), mRNA /cds=(127,9801)	1	ACCATGTTCTTTCGTTAAAGATTTGCT TTATACAAGATTGTTGCAGTACC
2892	Table 3A	Hs.173159	NM_006283	5454099	transforming, acidic coiled-coil containing protein 1 (TACC1), mRNA	1	CACATCTGCTTCCACTGTGTTCCCAC GGGTGCCATGAAGTGTGTGAGGAG
2893	Table 3A	Hs.89657	NM_006284	5454105	TATA box binding protein (TBP)- associated factor, RNA polymerase II,	1	CGCACTACTTCACCTGAGCCACCCAA CCTAAATGTACTTATCTGTCCCCA
2894	Table 3A	Hs.116481	NM_001782	4502682	H, 30kD (TAF2H), mRNA /cds=(17,673) CD72 antigen (CD72), mRNA /cds=(108,1187)	1	GGGCGGCCCGGAGCCAGCCAGGCA GTTTTATTGAAATCTTTTTAAATAAT
2895	Table 3A	Hs.18420	NM_006289	5454129	talin 1 (TLN1), mRNA /cds=(126,7751)	1	CTCTCCAAGAGTATTATTAACGCTGC TGTACCTCGATCTGAATCTGCCGG
2896	Table 3A	Hs.211600	NM_006290	5454131	tumor necrosis factor, alpha-induced protein 3 (TNFAIP3), mRNA	1	TCCCTAATAGAAAGCCACCTATTCTTT GTTGGATTTCTTCAAGTTTTTCT
2897	Table 3A	Hs.101382	NM_006291	5454133	•	1	AGTACTGCTTTTGTATGTATGTTGAAC AGGATCCAGGTTTTTATAGCTTG
2898	Table 3A	Hs 118910	NM_006292	5454139	• • •	1	CACTITCTATCCTCTGTAAACTTTTTG TGCTGAATGTTGGGACTGCTAAA
2899	Table 3A	Hs.131255	NM_006294	5454151	• • •	1	GAAGAATGGGCAAAGAAGTAATCATG TAGTTGAAGTCTGTGGATGCAGCT
2900	Table 3A	Hs 279841	NM_018062	8922359	hypothetical protein FLJ10335 (FLJ10335), mRNA /cds=(33,1160)	1	CAAAGGTTCTTGAGACTCTTGATATTT CTGTCTTCTCCTTGTGCTTTCCT
2901	literature	Hs 98493	NM_006297	5454171		1	CCGATGGATCTACAGTTGCAATGAGA AGCAGAAGTTACTTCCTCACCAGC
2902	Table 3A	Hs.293007	NM_006310	5453987	aminopeptidase puromycin sensitive (NPEPPS), mRNA /cds=(404,3031)	1	TTCCTGCATAACTCAATCTGAACCAA GGATTGTAGTTTAGTT
2903	Table 3A	Hs.287994	NM_006312	5454073	•	1	GCAGGGTGGTGGTATTCTGTCATTTA CACACGTCGTTCTAATTAAAAAGC
2904	Table 3A	Hs.10842	NM_006325	6042206	RAN, member RAS oncogene family (RAN), mRNA /cds=(114,764)	1	GCACTTTTTGTTTGAATGTTAGATGCT TAGTGTGAAGTTGATACGCAAGC
2905	db mining	Hs.12540	NM_006330	5453721		1	GCAAGAAATATTCCATTGAAATATTGT GCTGTAACATGGGAAAGTGTAAA
2906	literature	Hs.19400	NM_006341	6006019	• • •	1	GCCAACACTGTCTGTCTCAAATACTG TGCTGTGAGTTGTTTCAATAAAGG
2907	Table 3A	Hs.104019	NM_006342	5454101		1	GACCTCATCTCCAAGATGGAGAAGAT CTGACCTCCACGGAGCCGCTGTCC
2908	Table 3A	Hs.43913	NM_006346	5453889	PIBF1 gene product (PIBF1), mRNA /cds=(0,2276)	1	CTTTACTAAAAAAGAAGCACCTGAGT GGTCTAAGAAACAAAAGATGAAGA
2909	Table 3A	Hs.158196	NM_006354	5454103	Homo sapiens, Similar to transcriptional adaptor 3 (ADA3, yeast homolog)-like (PCAF histone acetylase complex), clone MGC:3508	1	GCCTGGAAGACTCTGAAGGAGCGTG AGAGCATCCTGAAGCTGCTGGATGG
2910	Table 3A	Hs 307099	NM_006356	5453558	IMAGE 3009860, mRNA, complete cds clone 023e08 My032 protein mRNA,	1	CAGGAGGAAGCTCTGGCCCTTGTATT
2911	Table 3A	Hs.69469	NM_006360	5453653	complete cds /cds=(46,459) dendritic cell protein (GA17), mRNA /cds=(51,1175)	1	ACACATTCTGGACATTAAAAATAA GCCTTTTGAGTCTTTCCGATACCTGA GTTTTTATGCTTATAATTTTTGTT

2912	Table 3A	Hs 173497	NM_006363	14591927	Sec23 (S cerevisiae) homolog B (SEC23B), transcript variant 3, mRNA /cds=(112,2415)	1	TTAAGCTGAGGATACAACCAGGAAAT GCAACGGTGTCAGATTGTGTTCAA
2913	Table 3A	Hs.104125	NM_006367	10938021	adenylyl cyclase-associated protein (CAP), mRNA /cds=(62,1489)	1	TCTACCCATTTCCTGAGGCCTGTGGA AATAAACCTTTATGTACTTAAAGT
2914	Table 3A	Hs 79089	NM_006378	5454049	• •	1	AGCAATAAACTCTGGATGTTTGTGCG CGTGTGTGGACAGTCTTATCTTCC
2915	Table 3A	Hs.279939	NM_006389	13699861	mitochondrial carrier homolog 1 (MTCH1), nuclear gene encoding mitochondrial protein, mRNA	1	AGCTGTTGATGCTGGTTGGACAGGTT TGAGTCAAATTGTACTTTGCTCCA
2916	Table 3A	Hs.296585	NM_006392	5453793	nucleolar protein (KKE/D repeat) (NOP56), mRNA /cds=(21,1829)	1	AGGTGACATTTCCCACCCTGTGCCCG TGTTCCCAATAAAAACAAATTCAC
2917	Table 3A	Hs 84153	NM_006400	13259506	dynactin 2 (p50) (DCTN2), mRNA /cds=(136,1356)	1	CTGTGGCTGACTGTAATACTGTACAA CTGTTTCTGACCATTAAATGCTGT
2918	Table 3A	Hs.80261	NM_006403	5453679	enhancer of filamentation 1 (cas-like docking; Crk-associated substrate related) (HEF1), mRNA	1	ACATATGCAGACCTGACACTCAAGAG TGGCTAGCTACACAGAGTCCATCT
2919	Table 3A	Hs.92384	NM_006407	7669496	vitamin A responsive; cytoskeleton related (JWA), mRNA /cds=(89,655)	1	TGACTTCACAGACATGGTCTAGAATC TGTACCCTTACCCACATATGAAGA
2920	Table 3A	Hs.139120	NM_006413	5454023	Homo sapiens, ribonuclease P (30kD), clone MGC:12256 IMAGE:3827681, mRNA, complete cds /cds=(294,1100)	1	CCCAGTCTCTGTCAGCACTCCCTTCT TCCCTTTTATAGTTCATCAGCCAC
2921	Table 3A	Hs.82921	NM_006416	5453620	solute carrier family 35 (CMP-sialic acid transporter), member 1 (SLC35A1), mRNA /cds=(27,1040)	1	TGACTGAGTACCCCTTTAGTGAGTAC CCCTTTAGTGCTATATTTGTGCCA
2922	Table 3A	Hs 82316	NM_006417	5453743	interferon-induced, hepatitis C- associated microtubular aggregate protein (44kD) (MTAP44), mRNA	1	TGCCTTTTGAGCAAATAGGGAATCTA AGGGAGGAAATTATCAACTGTGCA
2923	db mining	Hs.100431	NM_006419	5453576	small inducible cytokine B subfamily (Cys-X-Cys motif), member 13 (B-cell chemoattractant) (SCYB13), mRNA /cds=(90,419)	1	GCGGGGCCGGGGGGACTCTGGTATC TAATTCTTTAATGATTCCTATAAAT
2924	Table 3A	Hs.94631	NM_006421	6715588	brefeldin A-Inhibited guanine nucleotide- exchange protein 1 (BIG1), mRNA /cds=(141,5690)	1	ACAACTTTCTGTACAATATTGATTCCC ATCTGGCATATTCTAATCAGGTT
2925	Table 3A	Hs.108809	NM_006429	5453606	chaperonin containing TCP1, subunit 7 (eta) (CCT7), mRNA /cds=(68,1699)	1	TTTTACAAGGAAGGGGTAGTAATTGG CCCACTCTCTTCTTACTGGAGGCT
2926	Table 3A	Hs 119529	NM_006432	5453677	epididymal secretory protein (19.5kD) (HE1), mRNA /cds=(10,465)	1	AACAACATTAACTTGTGGCCTCTTTCT ACACCTGGAAATTTACTCTTGAA
2927	Table 3A	Hs.174195	NM_006435	10835237	interferon induced transmembrane protein 2 (1-8D) (IFITM2), mRNA	1	ACAGCCGAGTCCTGCATCAGCCCTTT ATCCTCACACGCTTTTCTACAATG
2928	Table 3A	Hs.77225	NM_006437	11496990	ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase)-like 1 (ADPRTL1), mRNA /cds=(106,5280)	1	GTCAAGGCTAAGTCAAATGAAACTGA ATTITAAACTTTTTGCATGCTTCT
2929	Table 3A	Hs.118131	NM_006441	5453745	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase) (MTHFS), mRNA	1	AAACGACATGAAGGTAGATGAAGTCC TTTACGAAGACTCGTCAACAGCTT
2930	Table 3A	Hs.340268	NM_006461	5453631	qy37e05.x1 cDNA, 3' end /clone=IMAGE:2014208 /clone_end=3'	1	CCCAATACCAAGACCAACTGGCATAG AGCCAACTGAGATAAATGCTATTT
2931	Table 3A	Hs.233936	NM_006471	5453739	myosin, light polypeptide, regulatory, non-sarcomeric (20kD) (MLCB), mRNA /cds=(114,629)	1	GGGTCTATACAGAGTCAATATATTTTT TCAGAGAAAGTTAGTTCGGCTCG
2932	Table 3A	Hs.179526	NM_006472	5454161	upregulated by 1,25-dihydroxyvitamin D- 3 (VDUP1), mRNA /cds=(221,1396)	1	CCAGAAAGTGTGGGCTGAAGATGGT TGGTTTCATGTGGGGGTATTATGTA
2933	Table 3A	Hs 5509	NM_006495		ecotropic viral integration site 2B (EVI2B), mRNA /cds=(0,1346)	1	TCCAACCTTGAGATCCAGTGTCAGGA GTTCTCTATTCCTCCCAACTCTGA
2934	literature	Hs.155573	NM_006502		polymerase (DNA directed), eta (POLH), mRNA /cds=(237,2378)	1	TGGCACAGAAAAGGGACCAAGTTTAA AAAAGGGTTTTAAATGTAATGAGA
2935	db mining	Hs.858	NM_006509	5730006	v-rel avian reticuloendotheliosis viral oncogene homolog B (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3) (RELB), mRNA	1	GGGGTAGGTTGGTTCAGAGTCTT CCCAATAAAGATGAGTTTTTGAGC
2936	Table 3A	Hs.4888	NM_006513	5730028		1	TGGGCATAGGGACCCATCATTGATGA CTGATGAAACCATGTAATAAAGCA
2937	Table 3A	Hs.155040	NM_006526	5730123	zinc finger protein 217 (ZNF217), mRNA /cds=(271,3417)	1	ATTTTCCTACAGCCCTTTGTACTTCAA AATATGTTTTTGTGTCCATCAGT
2938	Table 3A	Hs.251636	NM_006537	5730109		1	TCAGCACTAACTAAATAAATTTGTTGG TTCAGTTGTACTTGTCCTGCAAA
2939	Table 3A	Hs 86088	NM_006546	5729881	* * *	1	AGAGGGTGGATCACACCTCAGTGGG AAGAAAAATAAAAT
2940	Table 3A	Hs.119537	NM_006559	5730026		1	TGTGTAAGTCTGCCTAAATAGGTAGC TTAAACTTATGTCAAAATGTCTGC

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2941	Table 3A	Hs 59106	NM_006568		cell growth regulatory with ring finger domain (CGR19), mRNA	1	TCCTTTCTGCTTAGTGAATGAATACT GGAATCCATCTGTGTTGATACAAT
2942	db mining	Hs 270737	NM_006573		tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B),	1	GCAATACCAAGAGAAAATGCACAAAT ATCACTGGATGGAGATGTCACATT
2943	Table 3A	Hs 4069	NM_006582	13435376	mRNA /cds=(0,857) glucocorticoid modulatory element binding protein 1 (GMEB1), transcript variant 1, mRNA /cds=(138,1859)	1	TGGGGATCTCAGGGCCAGGAGTTAT GTTTTGATTTGGAATTTTAATTATT
2944	Table 3A	Hs.12820	NM_006590	5730024	SnRNP assembly defective 1 homolog (SAD1), mRNA /cds=(492,1466)	1	CCAGTAACTTCGCTCTGTTAGAGGTG GAGGATTTTCCTATGTTCCCCCCA
2945	literature	Hs 241517	NM_006596	5729983	DNA polymerase theta (POLQ) mRNA, complete cds /cds=(0,8174)	1	TGCTGAAAAGATTGTACTTTGTGATC CCAATCAGAGGGATGGAGCTAATC
2946	Table 3A	Hs.180414	NM_006597	5729876	heat shock 70kD protein 8 (HSPA8), mRNA /cds=(83,2023)	1	TCAGACTGCTGAGAAGGAAGAATTTG AACATCAACAGAAAGAGCTGGAGA
2947	Table 3A	Hs.154672	NM_006636	13699869	methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase (MTHFD2), nuclear gene encoding mitochondrial protein, mRNA /cds=(76,1110)	1	TGGGCAGCTTGGGTAAGTACGCAAC TTACTTTTCCACCAAAGAACTGTCA
2948	Table 3A	Hs.36927	NM_006644	5729878	heat shock 105kD (HSP105B), mRNA /cds=(313,2757)	1	TGTGAAAGTGTGGAATGGAAGAAATG TCGATCCTGTTGTAACTGATTGTG
2949	Table 3A	Hs.1845	NM_006674		MHC class I region ORF (P5-1), mRNA /cds=(304,735)	1	CTAATTTCAGTGCTTGTGCTTGGTTG TTCAGGGCCATTTCAGGTTTGGGT
2950	Table 3A	Hs.76807	NM_006696	5730052	major histocompatibility complex, class II, DR alpha (HLA-DRA), mRNA	1	AGCTAGCAGATCGTAGCTAGTTTGTA TTGTCTTGTCAATTGTACAGACTT
2951	Table 3A	Hs.5300	NM_006698	5729737	bladder cancer associated protein (BLCAP), mRNA /cds=(254,517)	1	ATGGGCCAGGCAGAACAGAACTG GAGGCAGTCCATCTAGGGAATGGGA
2952	Table 3A	Hs 75207	NM_006708	5729841	glyoxalase I (GLO1), mRNA /cds=(87,641)	1	GTTTCCTTTTTGGGTGAAATGGATTTA TGTGAGTGCTTTAAACAAATAGC
2953	Table 3A	Hs.74861	NM_006713	5729967	activated RNA polymerase II transcription cofactor 4 (PC4), mRNA	1	GAACAATGGAGCCAGCTGAAGGAAC AGATTTCTGACATAGATGACGCAGT
2954	Table 3A	Hs.195471	NM_006732	5803016		1	CGTCCCCTCTCCCCTTGGTTCTGCAC TGTTGCCAATAAAAAGCTCTTAAA
2955	Table 3A	Hs.75367	NM_006748	5803170	Src-like-adapter (SLA), mRNA /cds=(41,871)	1	GAGCACCCAGAGGGATTTTTCAGTG GGAAGCATTACACTTTGCTAAATCA
2956	Table 3A	Hs.77837	NM_006759	13027637	UDP-glucose pyrophosphorylase 2 (UGP2), mRNA /cds=(84,1610)	1	AGCACAGATGGTGCAATACTTTCCTT CTTTGAAGAGATCCCAAAGTTAGT
2957	Table 3A	Hs.75462	NM_006763	5802987	*	1	TGGAAGAATGTACAGCTTATGGACAA ATGTACACCTTTTTGTTACTTTAA
2958	Table 3A	Hs 100555	NM_006773	13787205	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 18 (Myc-regulated) (DDX18), mRNA /cds=(71,2083)	1	TTTTGGAGCAAAAACTATGGGTTGTA ATTTGAATAAAGTGTCACTAAGCA
2959	Table 3A	Hs.143604	NM_006777	10048402	Kaiso (ZNF-kaiso), mRNA /cds=(0,2018)	1	TTCAGCAGGAAAATGATTCAATTTTTA AACAAAATGTAACAGATGGCAGT
2960	Table 3A	Hs.33085	NM_006784	5803220	WD repeat domain 3 (WDR3), mRNA /cds=(47,2878)	1	AAGTAGCCAAGCTAAGATGCCTGGCT GGGCTTCTGAGGAATTAATACACT
2961	Table 3A	Hs.4943	NM_006787	10863906	hepatocellular carcinoma associated protein; breast cancer associated gene 1 (JCL-1), mRNA /cds=(69,1889)	1	CTGACCGCCACTCTCACATTTGGGCT CTTCGCTGGCCTTGGTGGAGCTGG
2962	Table 3A	Hs.6353	NM_006791	5803101	MORF-related gene 15 (MRG15), mRNA /cds=(131,1102)	1	TGCATTGTGTAGCTAGTTTTCTGGAA AAGTCAATCTTTTAGGAATTGTTT
2963	Table 3A	Hs.88764	NM_006800	5803103	male-specific lethal-3 (Drosophila)-like 1 (MSL3L1), mRNA /cds=(105,1670)	1	ACAGCTATACTTTGTTGTGTAATGTTA TGGTTCCCTTTCTGTAAAATGTT
2964	Table 3A	Hs.77897	NM_006802	5803166	splicing factor 3a, subunit 3, 60kD (SF3A3), mRNA /cds=(8,1513)	1	GACAGGATCCCCCAGAGACCCCATTT GCCTCTCAACACTCAGACCTTCAA
2965	Table 3A	Hs.272168	NM_006811	5803192	DNA sequence from clone RP1- 179M20 on chromosome 20 Contains a 3' end of a novel gene similar to cellular retinaldehyde-binding protein, the TDE1 gene (Tumour differentially expressed	1	TTTGGTTTAAAATGTAAGATAGGAAAA TGTTGGATATTTGAGGCCATGCT
					1), the PKIG gene encoding protein kınase (cAMP-dependent, catalytıc) inhibitor gamma, the 3' end of the ADA gene encoding adenosine deamınase, 2 CpG ıslands, ESTs, STSs and GSSs		
2966	Table 3A	Hs.75969	NM_006813	5802981	profine-rich protein with nuclear targeting signal (B4-2), mRNA	1	AATCTACATTTTCTTACCAGGAGCAG CATTGAGGTTTTTGAGCATAGTAC
2967	Table 3A	Hs.75841	NM_006817	13124889	chromosome 12 open reading frame 8 (C12orf8), mRNA /cds=(11,796)	1	ACTAACCCACGATTCTGAGCCCTGAG TATGCCTGGACATTGATGCTAACA
2968	Table 3A	Hs 75612	NM_006819	5803180	stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein) (STIP1), mRNA /cds=(62,1693)	1	TTATTCTGCGTCCCCTTCTCCAATAAA ACAAGCCAGTTGGGCGTGGTTAT

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2969	Table 3A	Hs 75470	NM_006820		hypothetical protein, expressed in osteoblast (GS3686), mRNA /cds=(241,1482)	1	TCCTTCCCACTCTCTCCAACATCACA TTCACTTTAAATTTTTCTGTATAT
2970	Table 3A	Hs.74405	NM_006826	5803226	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide (YWHAQ), mRNA /cds=(100,837)	1	AGTCCCAAAAAAGCCTTGTGAAAATG TTATGCCCTATGTAACAGCAGAGT
2971	Table 3A	Hs 15591	NM_006833		COP9 subunit 6 (MOV34 homolog, 34 kD) (MOV34-34KD), mRNA	1	AGGGGAGGCACTACACTTCCTTGA GAGAAACCGCTGTCATTAATAAAAG
2972	Table 3A	Hs.79933	NM_006835	5802991	cyclin I (CCNI), mRNA /cds=(0,1133)	1	AGGCTGTAGAAGGAAATATACCTTAA CAGGCTGATTTGGAGTGACCCAGA
2973	Table 3A	Hs.278613	NM_006837	5803045	interferon, alpha-inducible protein 27	1	ACCAGTTACCCAAAATCTGATTAGAA GTATAAGGTGCTCTGAAGTGTCCT
2974	Table 3A	Hs 78504	NM_006839	5803114	(IFI27), mRNA /cds=(54,422) inner membrane protein, mitochondrial	1	TGAGGCTTGTGAGGCCAATCAAAATA
2975	Table 3A	Hs.75916	NM_006842	5803154	(mitofilin) (IMMT), mRNA splicing factor 3b, subunit 2, 145kD	1	ATGTTTGTGATCTCTACTACTGTT CAGTTCCCAAGGACTTGTCATTTCAT
2976	db mining	Hs.105928	NM_006847	5803063	(SF3B2), mRNA /cds=(48,2666) leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM	1	GTTCTTATTTTAGACCTGTTTTGT ACCACTAGAAGATTCCGGGAACGTTG GGAGTCACCTGATTCTGCAAAGAT
2977	Table 3A	Hs 315463	NM_006850	5803085	domains), member 3 (LILRB3), mRNA interleukin 24 (IL24), mRNA	1	GTCAAGCTGACCTTGCTGATGGTGAC
2978	Table 3A	Hs.64639	NM_006851	5803150	/cds=(274,894) glioma pathogenesis-related protein	1	ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION ACTION AC
2979	db mining	Hs.113277	NM_006865	5803061	(RTVP1), mRNA /cds=(128,928) leukocyte immunoglobulin-like receptor, subfamily A (without TM	1	TTTTGGACTAATACAATTCAGGAA GATGACGCTGGGCACAGAGGGTCAG GTCCTGTCAAGAGGAGCTGGGTGTC
2980	Table 3A	Hs.82143	NM_006874	6857815	domain), member 3 (LILRA3), mRNA	1	AACATCTCTCTTCTCCTTCCCAACTAC
2981	Table 3A	Hs.80205	NM_006875	5803124	transcription factor) (ELF2), mRNA pim-2 oncogene (PIM2), mRNA	1	TGCATGAAGAAATTCTACTTCCA TTCCTGCCTGGATTATTTAAAAAGCC
2982	Table 3A	Hs.177530	NM_006886		/cds=(185,1189) ATP synthase, H+ transporting,	1	ATGTGTGGAAACCCACTATTTAAT TGCTACATTTCCAAGGTGAAGATGTG
2902	Table 3A	113.177000	14111_000000	0001000	mitochondrial F1 complex, epsilon subunit (ATP5E), mRNA /cds=(91,246)	·	TGGGCACATGTTATGGCAGATTGA
2983	Table 3A	Hs.177656	NM_006888	5901911	· · · · · · · · · · · · · · · · · · ·	1	ACAACCATCAACATTGCTGTTCAAAG AAATTACAGTTTACGTCCATTCCA
2984	Table 3A	Hs.155410	NM_006899	5901981	isocitrate dehydrogenase 3 (NAD+)	1	CCCACCCATAGGCCCTGTCCATACCC ATGTAAGGTGTTCAATAAAGAACA
2985	Table 3A	Hs.118684	NM_006923	14141194	beta (IDH3B), mRNA /cds=(79,1236) stromal cell-derived factor 2 (SDF2),	1	ACTCTTCAGGAGCTTGGCATCATGGA CTGTTAATGTATGTGATTTTCCCC
2986	Table 3A	Hs.166975	NM_006925	5902077	mRNA /cds=(39,674) splicing factor, arginine/serine-rich 5	1	GGTCAAGGGTGTCCTCCACTCTTTAA CAGCTGCTGGACAGACACATTAGA
2987	Table 3A	Hs 7594	NM_006931	5902089	(SFRS5), mRNA /cds=(218,541) solute carrier family 2 (facilitated glucose transporter), member 3	1	GCAACTTCATGTCAACTTTCTGGCTC CTCAAACAGTAGGTTGGCAGTAAG
2988	Table 3A	Hs.180139	NM_006937	5902097	(SLC2A3), mRNA /cds=(242,1732) SMT3 (suppressor of mif two 3, yeast) homolog 2 (SMT3H2), mRNA /cds=(90,377)	1	CCAAGTGGAGACGGGGATGGGGAAA AATACTGATTCTGTGGAAAATACCC
2989	Table 3A	Hs.86948	NM_006938	5902101	small nuclear ribonucleoprotein D1 polypeptide (16kD) (SNRPD1), mRNA	1	TGTGTAATGTACCTGTCAGTGCCTCC TTTATTAAGGGGTTCTTTGAGAAT
2990	Table 3A	Hs.237825	NM_006947	5902123	/cds=(150,509) signal recognition particle 72kD (SRP72), mRNA /cds=(0,2015)	1	GCAGGGGCTCCAGCAACAAAAAGA AACAGCAACAGAAAAAGAAGAAAGG
2991	Table 3A	Hs.108642	NM_006963	5902159	(KOX 15), clone MGC:9735	1	AGACTCACTTACCCTCTTGGAAAGCT GGTACAGAAGGAAGTCTGTGGCTG
2992	Table 3A	Hs.167741	NM_006994	6325463		1	CCTGGTCATTGGTGGATGTTAAACCC ATATTCCTTTCAACTGCTGCCTGC
2993	Table 3A	Hs.225951	NM_006999	6631114	(BTN3A3), mRNA /cds=(171,1925) topoisomerase-related function protein	1	AATGAATTGGCCTGGCTACCACTGTG GTCGCGTGCTACAGGTTTGACAAA
2994	Table 3A	Hs 97932	NM_007015	5901931	4-1 (TRF4), mRNA /cds=(37,1665) chondromodulin I precursor (CHM-I),	1	TTGATTTGCCATAAGTCTTCCCTTGCT TGCATCTTCCAAAGCTATTTCGA
2995	Table 3A	Hs.93502	NM_007020	5902143	mRNA /cds=(0,1004) U1-snRNP binding protein homolog (70kD) (U1SNRNPBP), transcript	1	AGTGAAGTTACAGTGGAAATGAGTGG AGGGGGATTGTCTTTCAACGCAGC
2996	Table 3A	Hs 149443	NM_007022	5901883	variant 1, mRNA /cds=(213,953) putative tumor suppressor (101F6), mRNA /cds=(0,668)	1	GCTTGGTCATTATGAACCAGGTGAGC AATGCCTACCTATACCGCAAGAGG
2997	literature	Hs.41693	NM_007034	6631084		1	AAGGCACTGAAAATATAAAAGGACTG GTAGTTTACTGATGTAGATGTGAA
2998	Table 3A	Hs.87497	NM_007047	5901905	butyrophilin, subfamily 3, member A2 (BTN3A2), mRNA /cds=(188,1147)	1	GCAGAAAAGGGGAACTCATTTAGCTC ACGAGTGGTCGAGTGAAGATTGAA
2999	Table 3A	Hs 169963	NM_007049	5921460		1	TATCTTGAGACGCCTTACAAATGATG GAGGATTCCAAAGAGTTTTTGTTT
3000	Table 3A	Hs.164170	NM_007063	5902153	vascular Rab-GAP/TBC-containing (VRP), mRNA /cds=(1117,3810)	1	AAAATGTTGTTGTGTACATACCATGC TTTCAATGTTGGCTTCCAAGTTTT

3001	Table 3A	Hs 21907	NM_007067	5901961	histone acetyltransferase (HBOA),	1	GGTAGAATGTGCTCTTCTATATCTAC TCCTCAATAAAGCATGTTCTCTGC
3002	literature	Hs 37181	NM_007068	5901995	mRNA /cds=(42,1877) DMC1 (dosage suppressor of mck1,	1	CCACAAGAGGATTTAAGGGAGGAAT
0002	illorator c	110 01 101			yeast homolog) meiosis-specific		GTTTATAGGACACACACAAAAGC
					homologous recombination (DMC1), mRNA /cds=(53,1075)		
3003	Table 3A	Hs.109606	NM_007074	5902133	coronin, actin-binding protein, 1A	1	CTCCAGCAGGGTCAGCCATTCACAC CCATCCACTCACCTCCCATTCCCAG
3004	Table 3A	Hs.252574	NM_007104	6325471	(CORO1A), mRNA /cds=(100,1485) ribosomal protein L10a (RPL10A),	1	AAACTGGCAGAATGTCCGGGCCTTAT
3004	Table on		_		mRNA /cds=(15,668)		ATATCAAGAGCACCATGGGCAAGC AACACACAGTGTTTATGTTGGAATCT
3005	Table 3A	Hs.29352	NM_007115	6005905	tumor necrosis factor, alpha-induced protein 6 (TNFAIP6), mRNA	1	TTTGGAACTCCTTTGATCTCACTG
3006	Table 3A	Hs.301819	NM_007145	6005965	zinc finger protein 146 (ZNF146),	1	TGGGAGTGAGGATGCTGTA
3007	Table 3A	Hs 260523	NM_007158	6005738	mRNA /cds=(856,1734) neuroblastoma RAS viral (v-ras)	1	TCTGTGGAAGTCATGTTATACTGGA TGCTTAGATCACTGCAGCTTCTAGGA
3007	l able SA	113 200320	14111_007 100		oncogene homolog (NRAS), mRNA		CCCGGTTTCTTTTACTGATTTAAA
3008	Table 3A	Hs 301637	NM_007167	6005977	zinc finger protein 258 (ZNF258), mRNA /cds=(93,2264)	1	CTGAACTACCAAATAGCTGTGGGCTT TCTGGAACTGCTGGCTGGGTTGCT
3009	Table 3A	Hs.14963	NM_007192	6005756	chromatin-specific transcription	1	GCTCTGTGACTTTAAGAGAAGAAGGG
					elongation factor, 140 kDa subunit (FACTP140), mRNA /cds=(291,3434)		GGGAGGGTCCCGGATTTTATGTT
3010	literature	Hs 146329	NM_007194	6005849	protein kinase Chk2 (RAD53), mRNA	1	AGAAATGTCCTTCTTTCACTCTGCAT
0044	Ptt	11- 074600	NIM 007105	6005847	/cds=(0,1631) polymerase (DNA directed) iota (POLI),	1	CTTTCTTTTCTTTGAGTCGTTTTT TCCAGATAAAGCAAGAATAGTTGCAA
3011	literature	Hs.271699	NM_007195	6003647	mRNA /cds=(64,2211)		GAAGTAAATTCTGGCACAAAGCGT
3012	literature	Hs.251398	NM_007205	6005917	three prime repair exonuclease 2 (TREX2), mRNA /cds=(0,710)	1	CCCACAATGGCTTTGATTATGATTTC CCCCTGCTGTGTGCCGAGCTGCGG
3013	literature	Hs.79086	NM_007208	6005861	mitochondrial ribosomal protein L3	1	AAATTACAGAAACATGTTAAAGGCCG
***	T-1-1-04	Un 400005	- NBA 007200	6005950	(MRPL3), mRNA /cds=(76,1122) nbosomal protein L35 (RPL35), mRNA	1	GACAAAGGAAAGACAATAAAATCA GAAGTACGCGGTCAAGGCCTGAGGG
3014	Table 3A	Hs.182825	NM_007209	6005859	/cds=(27,398)	•	GCGCATTGTCAATAAAGCACAGCTG
			NII 007040	40404000	LIDD N. cook d. clobs. D.	1	TCTACAGCCATGTCCTATTCCTTGAT
3015	Table 3A	Hs.151678	NM_007210	13124893	UDP-N-acetyl-alpha-D- galactosamine:polypeptide N-	•	CATCCAAAGCACCTGCAGAGTCCA
					acetylgalactosaminyltransferase 6		
3016	Table 3A	Hs.28866	NM_007217	6005897	(GalNAc-T6) (GALNT6), mRNA programmed cell death 10 (PDCD10),	1	AATGTAGCTTAATCATAATCTCACACT
00.0			_		mRNA /cds=(153,791)		GAAGATTTTGCATCACTTTTGCT TGATGATGATGTTCAAAGAGAAAGAA
3017	Table 3A	Hs.28285	NM_007218	6005911	patched related protein translocated in renal cancer (TRC8), mRNA	1	ATGGAGTGATTCAAAGAGAAAAGAAAAAAAAAAAAAAAA
3018	Table 3A	Hs.283646	NM_007220	6005722	carbonic anhydrase VB, mitochondrial	1	GCCACCAGCCAAGCACCCCCTAAA
					(CA5B), nuclear gene encoding mitochondrial protein, mRNA		ACATTCATATCTAGGCAGTATTTTG
					/cds=(137,1090)		GCCTTTACCATGTTCTCTCCACATCC
3019	Table 3A	Hs.94446	NM_007221	6005831	polyamine-modulated factor 1 (PMF1), mRNA /cds=(111,608)	1	GTAAATAAACTTCCTTCACTACAA
3020	literature	Hs.334676	NM_007248	6005752	three prime repair exonuclease 1	1	CCACACCTGGCGAGTAGGCCAAGAA
3021	literature	Hs.78016	NM_007254	6005835	(TREX1), mRNA /cds=(256,1170) polynucleotide kinase 3'-phosphatase	1	GGAAAATCTGACGAATAAAGACCCC GGGCTGAGCCCCGCCCAGCTCCCCT
3021	interature	113.70010			(PNKP), mRNA /cds=(0,1565)		CCACAATAAACGCTGTTTCTCCTTG TTTCTCAGCCTACAAATTGTGTCTATA
3022	Table 3A	Hs.10958	NM_007262	6005748	RNA-binding protein regulatory subunit (DJ-1), mRNA /cds=(20,589)	1	CATTTCTAAGCCTTGTTTTGCAGA
3023	db mining	Hs.10326	NM_007263	6005734	coatomer protein complex, subunit	1	GAGCCCACCCCAGCACCCCCATCT
3024	Table 3A	Hs.8813	NM_007269	6005885	epsilon (COPE), mRNA /cds=(42,968) syntaxin binding protein 3 (STXBP3),	1	GTTAATAAATATCTCAACTCCAAAA TGGAGTGATTTCACAGTGTGTACTGT
3024	Table on	115.0010	_		mRNA /cds=(51,1829)		TTTGCCACATACTTCTAAAGAACA
3025	Table 3A	Hs.8724	NM_007271	6005813	serine threonine protein kinase (NDR), mRNA /cds=(595,1992)	1	CCCTTTGGAAATGGTGAAGGAACCAG CCCAATAGAAGTACAGAGCCAGCT
3026	Table 3A	Hs.7771	NM_007273	6005853	B-cell associated protein (REA), mRNA	1	CTCCCTCAAGGCTGGGAGGAGATAA
3027	Table 3A	Hs.7719	NM_007278	6005763	/cds=(9,908) GABA(A) receptor-associated protein	1	ACACCAACCCAGGAATTCTCAATAA AGGGACTGAAATTGTGGGGGGAAGG
3021	rabic on	135.7770	1111_007 E1 0	0000702	(GABARAP), mRNA /cds=(104,457)		TAGGAGGCACATCAATAAAGAGGAA
3028	Table 3A	Hs.1298	NM 007289	6042203	membrane metallo-endopeptidase	1	TGGGGCAAAACCTTGCTAATTTTCTC
3020	I able SA	113.1230	14141_007200	00-12200	(neutral endopeptidase, enkephalinase,		AAAAGCATTTATCATTCTTGTTGC
					CALLA, CD10) (MME), transcript variant 2b, mRNA /cds=(228,2480)		
3029	literature	Hs.194143	NM_007295	6552300	breast cancer 1, early onset (BRCA1),	1	CCCCAGTGTGCAAGGGCAGTGAAG
					transcript variant BRCA1b, mRNA /cds=(397,5988)		ACTTGATTGTACAAAATACGTTTTG
3030	Table 3A	Hs 21486	NM_007315	6274551	signal transducer and activator of	1	AGATGGCGAGAACCTAAGTTTCAGTT
					transcription 1, 91kD (STAT1), mRNA /cds=(196,2448)		GATTTTACAATTGAAATGACTAAA
3031	Table 3A	Hs.3260	NM_007318	7549812	2 presenilin 1 (Alzheimer disease 3)	1	TGTCAGACCTTCTTCCACAGCAAATG
					(PSEN1), transcript variant I-463, mRNA /cds=(553,1944)		AGATGTATGCCCAAAGCGGTAGAA

Table 8

3032	Table 3A	Hs 279611	NM_007329	6633800	deleted in malignant brain tumors 1 (DMBT1), transcript variant 2, mRNA /cds=(106,7347)	1	GTTGCAGGGCGAGGTCAAGAGAGTT CTGACCTGGATGGCCCATAGACCTG
3033	Table 3A	Hs 74335	NM_007355	6680306	heat shock 90kD protein 1, beta	1	GACAGCAGGATTGGATGTTGTGTATT GTGGTTTATTTTAT
3034	Table 3A	Hs 74085	NM_007360	6679051	(HSPCB), mRNA /cds=(0,2174) DNA segment on chromosome 12 (unique) 2489 expressed sequence	1	AGTGCCTTCCCTGCCTGTGGGGGTC ATGCTGCCACTTTTAATGGGTCCTC
3035	Table 3A	Hs.172207	NM_007363	7657382	(D12S2489E), mRNA /cds=(338,988) non-POU-domain-containing, octamer- binding (NONO), mRNA	1	TTTGGAGTTTTTCTGAAAAATGGAGC AGTAATGCAGCATCAACCTATTAA
3036	Table 3A	Hs 158135	NM_011086	6755061	mRNA for KIAA0981 protein, partial cds /cds=(0,1737)	1	CAATGGACAAGTATTTCCTAATGGTA CCAGACCACTGGACAGGCTTGGGT
3037	Table 3A	Hs.9754	NM_012068	12597624	activating transcription factor 5 (ATF5), mRNA /cds=(319,1167)	1	GTGTTGGAGAGGGGCTGTGTCTGGG TGAGGGATGGCGGGGTACTGATTTT
3038	Table 3A	Hs 97199	NM_012072	11496985	complement component C1q receptor (C1QR), mRNA /cds=(148,2106)	1	GTGCTTTGAGGGTCAGCCTTTAGGAA GGTGCAGCTTTGTTGTCCTTTGAG
3039	Table 3A	Hs.173334	NM_012081	6912353	ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)	1	GGCTCACATCAAAAGGCTAATAGGTG AATTTGACCAACAGCAAGCAGAGT
3040	Table 3A	Hs.1710	NM_012089	9961243	ATP-binding cassette, sub-family B (MDR/TAP), member 10 (ABCB10), nuclear gene encoding mitochondrial	1	CAGAAAGCAAACAACAACTTACAAG GTTGAATCTGAGGAAAATAATCCT
3041	Table 3A	Hs.342849	NM_012097	6912243	protein, mRNA /cds=(43,2259) xv24a05.x1 cDNA, 3' end /clone=IMAGE:2814032 /clone_end=3'	1	TCTCTCTGTGTTCTCTGTATTGTACTA ACCAACCTCCCAAATCGCTGAGC
3042	Table 3A	Hs.33979	NM_012123	6912299	CGI-02 protein (CGI-02), mRNA	1	CCTGGAATAAAACTCAACATGCAGAT TTGCCTACTCATAGGGACTTTGCC
3043	Table 3A	Hs 22857	NM_012124	6912303	/cds=(268,2124) chord domain-containing protein 1	1	TGCCTCCCTGATGGAAAACTATATAA
3044	Table 3A	Hs 36794	NM_012142	6912335	(CHP1), mRNA /cds=(84,1082) cyclin D-type binding-protein 1	1	AATTGTAGACTTAAAAGGTTTGTG TTCATTGTAAAGATGTTGATGGTCTC AATAAAATGCTAACTTGCCAGTGA
3045	Table 3A	Hs.83363	NM_012151	12056462	J	1	CGTCCGCACGGTACGTCTTCATGGG AGTCATTTTATTCCTTACAGCTTCC
3046	Table 3A	Hs.24178	NM_012155	6912355		1	TGGTGTTTGGTTTGGGGTGTTTTTTA AGTTTTTTCTTTTATATCATCCAG
3047	Table 3A	Hs.5912	NM_012179	7106310	echinoderm EMAP (EMAP-2), F-box only protein 7 (FBXO7), mRNA /cds=(205,1773)	1	CTCCCTGCTCTTGGTTCTCCTCTAGA TTGAAGTTTGTTTTCTGATGCTGT
3048	Table 3A	Hs.79381	NM_012198	6912387		1	TGAAGACATAGTTCACCTAAAATGGC ATCCTGCTCTGAATCTAGACTTTT
3049	Table 3A	Hs.14520	NM_012199	6912351	eukaryotic translation initiation factor	1	CCCTTTGAGATTTGTGTTTGTGTCCT GCTTTGAGCTGTACCTTGTCCAGT
3050	Table 3A	Hs.5734	NM_012215	11024697	(hyaluronidase) (MGEA5), mRNA	1	TCCTGTAGAAAACGAACTGTAAAAGA CCATGCAAGAGGCAAAATAAAACT
3051	literature	Hs 271353	NM_012222	6912519		1	CCAGTGACACCTCTGAAAGCCCCCAT TCCCTGAGAATCCTGTTGTTAGTA
3052	Table 3A	Hs.26719	NM_012231	10092605	mRNA /cds=(134,1774) PR domain containing 2, with ZNF domain (PRDM2), mRNA	1	CCTGGTCAGTGGTGGTCTTCAAGAC GACAGCTCTGTATCTGCCATGTGAA
3053	literature	Hs.44017	NM_012237	13775599		1	CCCACTTCCCATGCTGGATGGGCAG AAGACATTGCTTATTGGAGACAAAT
3054	Table 3A	Hs.31176	NM_012238	13775598	/cds=(200,1369) sirtuin (silent mating type information regulation 2, S. cerevisiae, homolog) 1	1	TTACTGGCATATGTTTTGTAGACTGTT TAATGACTGGATATCTTCCTTCA
3055	Table 3A	Hs.22891	NM_012244	6912669	acid transporter, y+ system), member 8	1	AATGTAAGGTTGTTTTGGGGGATGGA GTTAGAACCTTAATGATAATTTCT
3056	Table 3A	Hs 79008	NM_012245	6912675	(SLC7A8), mRNA /cds=(730,2337) SKI-INTERACTING PROTEIN	1	TTTGGAGTGGGCAAAGTAACCTCTTG CTTGGTGCAACTATTTGTTTCAAA
3057	Table 3A	Hs.268555	NM_012255	6912743		1	GCTTATAAACACATTTGAGGAATAGG AGGTCCGGGTTTTCCATAATGGGT
3058	Table 3A	Hs.10882	NM_012257	6912409	/cds=(68,2920) HMG-box containing protein 1 (HBP1),	1	TCTTATCATTGCATACATTTTCTGGAT GCTTGAGCCATCAGATATCAGCT
3059	Table 3A	Hs 23170	NM_012280	7110660	mRNA /cds=(23,1567) homolog of yeast SPB1 (JM23), mRNA /cds=(300,1289)	1	TGCAGTGGGAATTCTTGAGTGAGGTC TTACCTCTTCTTTAAACCTCTTCA
3060	Table 3A	Hs 173714	NM_012286	6912447		1	TGCATTATTGTGTAGCCACGGTTTTC TGGAAAAGTTGATATTTTAGGAAT
3061	Table 3A	Hs.18895	NM_012290	6912719		1	ATTACATTGGAAGGGAGCTTTCAAGA TGGTAGGATATTGACTAACTGAGC
3062	Table 3A	Hs.30687	NM_012296	6912459		1	CATGGTACAGGCTTGGAGCTTGCAG GTCCCTTTCTACTGTGGTGTTTGGAG
3063	Table 3A	Hs.120165	NM_012318	6912481		1	TGTGCAGGGACAGTTGGCTTCCAGA GGTTTCAGCTTTCAGTTATTTGAGA

Table 8

3064	Table 3A	Hs 234279	NM_012325		microtubule-associated protein, RP/EB family, member 1 (MAPRE1), mRNA /cds=(64,870)	1	AATTCCATTTTATTGGGAACCCATTTT CCACCTGGTCTTTCTTGACAGGG
3065	Table 3A	Hs 172740	NM_012326	10800411	microtubule-associated protein, RP/EB family, member 3 (MAPRE3), mRNA /cds=(153,998)	1	AAATAAACTTGTGTGGTAAAAGTACA TGCCATGTGTCCCTCAACTGAAAA
3066	Table 3A	Hs 18625	NM_012332	6912517	Mitochondrial Acyl-CoA Thioesterase (MT-ACT48), mRNA /cds=(147,1367)	1	TTCAAGACAATTTTAATTGTGAACCTA CCATGTTGCCTCCCATCTTCTGA
3067	Table 3A	Hs 215766	NM_012341	6912531	GTP-binding protein (NGB), mRNA	1	TTTGTAAGAGCTGGGAGCAAACACGT TTATGAGTGTGTCGGAATCCCGTG
3068	Table 3A	Hs.74420	NM_012381	6912561	/cds=(23,1924) ongin recognition complex, subunit 3 (yeast homolog)-like (ORC3L), mRNA	1	CCCAAACAGGCATGTATCAAAACACC TGTGGAGTACTTTAGACTCCAACA
3069	Table 3A	Hs.241531	NM_012392	6912581	/cds=(26,2161) PEF protein with a long N-terminal hydrophobic domain (pefliin) (PEF),	1	TGGGGCCAAAAGTCCAGTGAAATTGT AAGCTTCAATAAAAGGATGAAACT
3070	Table 3A	Hs.21807	NM_012406	9055315	mRNA /cds=(12,866) PR domain containing 4 (PRDM4), mRNA /cds=(122,2527)	1	TGGGCTGGAGTAGAGGACTCTGGTG GGAAGGTTTTGCTGCTAATGTATTT
3071	Table 3A	Hs.79033	NM_012413	9257235	glutamınyl-peptide cyclotransferase (glutaminyl cyclase) (QPCT), mRNA	1	AGCTAAACAGTACTTAAATAGCGGTT GGAACTAGGTAGCCTTTCGAATTT
3072	literature	Hs.128501	NM_012415	6912621	/cds=(11,1096) RAD54, S cerevisiae, homolog of, B (RAD54B), mRNA /cds=(80,2812)	1	TGTCATTCATTTTTCAGAATATAACCA CTCAAGCTACTGGCACATAGTGA
3073	Table 3A	Hs.333212	NM_012417	6912623	• • • • • • • • • • • • • • • • • • • •	1	TCTGATAGAGAAAAAGACTGCTTTGT . CACTCAAACATGTTCCTTCGACCT
3074	Table 3A	Hs.151242	NM_012423	14591905	serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1), mRNA /cds=(60,1562)	1	GGCATCGCCCATGCTCCTCACCTGTA TTTTGTAATCAGAAATAAATTGCT
3075	Table 3A	Hs.334826	NM_012433	6912653		1	TTTGATGTTAAACAGTAAATGCCAGT AGTGACCAAGAACACAGTGATTAT
3076	literature	Hs.159737	NM_012444	6912679		1	CCTTTGCCTTTATACTTTAGGGGTCTT ACTCCATTAATTCATTTGTTACA
3077	literature	Hs.244613	NM_012448	6912687	transcription 5B (STAT5B), mRNA	1	TGCACGTTATGGTGTTTCTCCCTCTC ACTGTCTGAGAGTTTAGTTGTAGC
3078	Table 3A	Hs.109571	NM_012456	6912707	/cds=(146,2509) translocase of inner mitochondrial membrane 10 (yeast) homolog (TIMM10), mRNA /cds=(129,401)	1	CTGTAGAGAGTCTTCAAGATCCCGGA GTGGTAGCGCTGTCTCCTGGTGAA
3079	Table 3A	Hs.7797	NM_012461	6912715	TERF1 (TRF1)-interacting nuclear factor 2 (TINF2), mRNA	1	TAGTAGGAATGAAGTGGAAGTCCAG GCTTGGATTGCCTAACTACACTGCT
3080	Table 3A	Hs.105806	NM_012483	7108345		1	GATCCAGAATCCACTCTCCAGTCTCC CTCCCCTGACTCCCTCTGCTGTCC
3081	Table 3A	Hs.199263	NM_013233	7019542	Ste-20 related kinase (SPAK), mRNA /cds=(173,1816)	1	ATTCCATTCTATTGTTTACACAACGAT TACTCGAAGATGACTGCAAAGGT
3082	Table 3A	Hs.283781	NM_013234	10801344		1	AGCCAAGAAGAGAGCATTAAACCCAA GAACATTGTGGAGAAGATTGACTT
3083	Table 3A	Hs.13493	NM_013236	7106298		1	TATATTGTACTTACTGTGACAGCAGA TAATAAACCAGTCTCTTGGAGGGC
3084	Table 3A	Hs 279529	NM_013237	7019508		1	CTTATTCTCCCATTGGGCAGCTGAGG ACCGAGGCACAGAGGTGCGGTGAC
3085	Table 3A	Hs.126355	NM_013252	10281668	C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 5 (CLECSF5),	1	TCACTGTATACCACTGGAGTTTTCTG GTTATCTCTCGTATAGCAAAATCT
3086	Table 3A	Hs 169330	NM_013259	10047091		1	GCTGCCACCTCCTGTTCATTTAGAAC TATGCAAAGACTCCGCTTCCGTTT
3087	Table 3A	Hs.136748	NM_013269	7019446	/cds=(49,897) lectin-like NK cell receptor (LLT1), mRNA /cds=(13,588)	1	ACAGCAAAGCCCCAACTAATCTTTAG AAGCATATTGGAACTGATAACTCC
3088	Table 3A	Hs 14805	NM_013272	7706713	solute carrier family 21 (organic anion transporter), member 11 (SLC21A11), mRNA /cds=(193,2325)	1	GCCAGCTTGGAGGATGGACATTTCTG GATACACATACACATACAAAACAG
3089	literature	Hs 129903	NM_013274	7019490		1	GTCAACATCATCCGGCACCCTCTGG GGTAGGAGAACAGCCATTCCACATG
3090	Table 3A	Hs 54642	NM_013283	11034824		1	TCATATGTGTGGTTATACTCATAATAA TGGGCCTTGTAAGCCTTTTCACC
3091	literature	Hs.252646	NM_013284	7019492	wm25f06.x1 cDNA, 3' end /clone=IMAGE:2436995 /clone_end=3'	1	CTGCTTGACTCACCGGCTTCCTATTT GATGCACCCAGGCCCCCTTGTGGC
3092	Table 3A	Hs 75528	NM_013285	7019418	nucleolar GTPase (HUMAUANTIG), mRNA /cds=(79,2274)	1	GGGACAGAAACACAAACGCAAAAAAT TCAGACAAAAGCAGTAATGTTTAA
3093	Table 3A	Hs 106260	NM_013322	7019536		1	GCGATCCTCATCCCTTCAGCAATATG TATTTGAGTTCACACTATTTCTGT
3094	Table 3A	Hs 289080	NM_013326	7019454		1	TTTTGAACAGCGAAACCAGCGTTTGC GAGGGAGCCCCAATTTCACACCAG

3095	literature	Hs 283018	NM_013347		replication protein A complex 34 kd subunit homolog Rpa4 (HSU24186),	1	TTCCAAAAGAAAACTAGTTGCAGTC AGGGAGCCAGCGAAAAGACAAAAA
3096	Table 3A	Hs 272409	NM_013351	7019548	mRNA /cds=(404,1189) T-box 21 (TBX21), mRNA /cds=(211,1818)	1	ACTGAGAGTGGTGTCTGGATATATTC CTTTTGTCTTCATCACTTTCTGAA
3097	Table 3A	Hs.58636	NM_013352	7019520	squamous cell carcinoma antigen recognized by T cell (SART-2), mRNA	1	GCATGCATTCATTGGTTGTTCAATAA GTGAGATGATTACAGATAATACTG
3098	literature	Hs 169138	NM_013368		/cds=(149,3025) RPA-binding trans-activator (RBT1), mRNA /cds=(291,881)	1	CTGATTTCATAACCAGGCCGGACCAC GTGCAATAGGGTGGAAACCAAACT
3099	Table 3A	Hs.136713	NM_013378	7019566	pre-B lymphocyte gene 3 (VPREB3), mRNA /cds=(42,413)	1	GAAGACGACGCGGATTACTACTGCTC TGTTGGCTACGGCTTTAGTCCCTA
3100	Table 3A	Hs.279784	NM_013388	7019502	prolactin regulatory element binding (PREB), mRNA /cds=(131,1384)	1	TGAACCTCAGCCCATTAGGCAGGAAA AGTTGATATTTAATAAACAAGGAA
3101	Table 3A	Hs.171825	NM_013390	7019554	basic helix-loop-helix domain containing, class B, 2 (BHLHB2), mRNA /cds=(196,1434)	1	CCAAGGCACTTGGTTTTTCTGTTTTAT ATACTAATAATCAGGGCCTAAGT
3102	Table 3A	Hs.272736	NM_013392	7019332	nuclear receptor binding protein (NRBP), mRNA /cds=(112,1719)	1	GGGGGCCATTCGATTCGCCTCAGTT GCTGCTGTAATAAAAGTCTACTTTT
3103	Table 3A	Hs.7838	NM_013446	7305272	makorın, ring finger protein, 1 (MKRN1), mRNA /cds=(122,1570)	1	ACTTTAAGAAAAAACAAATAATTGTTG CAGAGGTCTCTGTATTTTGCAGC
3104	Table 3A	Hs.8858	NM_013448	7304918	bromodomain adjacent to zinc finger domain, 1A (BAZ1A), mRNA /cds=(115,5139)	1	CTGTACCAGTGCTGGCTGCAGGTATT AAGTCCAAGTTTATTAACTAGATA
3105	Table 3A	Hs.277401	NM_013449	7304920	bromodomain adjacent to zinc finger domain, 2A (BAZ2A), mRNA /cds=(739,6375)	1	GCCACCTCTGTGTTCCTGTCATAGCA AATATGGGACCATCACCAGCTTAC
3106	Table 3A	Hs.234680	NM_013451	7305052	fer-1 (C.elegans)-like 3 (myoferlin) (FER1L3), mRNA /cds=(96,6281)	1	TCCTGAGGTGATATACTTCATATTTGT AATCAACTGAAAGAGCTGTGCAT
3107	literature	Hs.100299	NM_013975	7710125	ligase III, DNA, ATP-dependent (LIG3), transcript variant alpha, mRNA	1	TGCTGGGTTTGCCATCTTTTTGTTTTC TTTGAAAAGCAGCTTAGTTACCC
3108	Table 3A	Hs.8262	NM_013995	7669502	/cds=(323,3091) lysosomal-associated membrane protein 2 (LAMP2), transcript variant	1	CCACTAGTTGATGTATGGTATCTTTA GATATTTGCCTGTCTGTTTGCTCA
3109	Table 3A	Hs.127649	NM_014007	7662099	LAMP2B, mRNA /cds=(137,1369) KIAA0414 protein (KIAA0414), mRNA /cds=(1132,2535)	1	AATGGCCTACAACCAAGCTATTTGTC CCCTACTTTGAGTCTTAACTGTGG
3110	Table 3A	Hs.301175	NM_014029	7661739		1	ATCCTGAGCTGCACTTACCTGTGAGA GTCTTCAAACTTTTAAACCTTGCC
3111	Table 3A	Hs.11125	NM_014041	7661745		1	TGCTCTGAGATGGGGAACAGAACAC ACAAGTATGAAGTTTCTTTCAGGTG
3112	Table 3A	Hs.182238	NM_014052	7661715	GW128 protein (GW128)	1	AAGCACACCCGTGGTTGTGAAAATAG TATAGCAAAAAAAGAAAAATCCCCG
3113	Table 3A	Hs.76640	NM_014059	7662650	RGC32 protein (RGC32), mRNA /cds=(146,499)	1	TGTTTACCTGCTTGCAGCATATTAGA ACAGACGATCCATGCTAATATTGT
3114	Table 3A	Hs.279040	NM_014065	7661837	HT001 protein (HT001), mRNA /cds=(241,1203)	1	AATCCTTACTTAAAATTCTTCCGTTAC CACCCTTGAAACAATTAGCTTTT
3115	Table 3A	Hs.5327	NM_014106	7662624	PRO1914 protein (PRO1914), mRNA /cds=(1222,1425)	1	ATAACAGTTCTATTTGGAATGATACC CACAACTCTACAAGCATCTTATCC
3116	Table 3A	Hs 78961	NM_014110	13699255	protein phosphatase 1, regulatory (inhibitor) subunit 8 (PPP1R8), mRNA	1	AGAGATTTGTACATTTGTGTAATAGG CCTTTTCATGCTTTATGTGTAGCT
3117	Table 3A	Hs.26102	NM_014112	7657658	/cds=(935,1318) trichorhinophalangeal syndrome I gene (TRPS1), mRNA /cds=(638,4483)	1	TCTTGGTGTATTTCTTATGCAAACAAT CTTCAGGCAGCAAAGATGTCTGT
3118	Table 3A	Hs.179898	NM_014153	7661761	HSPC055 protein (HSPC055), mRNA	1	AACCTGTACTGTTGGTATTGTGTTAG TGTATGGACCAATACTGCCTGTAA
3119	Table 3A	Hs.279474	NM_014160	8850222	/cds=(1400,1903) HSPC070 protein (HSPC070), mRNA	1	AATTGAGGGACCATCAGATAACTGTA TTTTGTCAGGTGCAATAAAAACAA
3120	Table 3A	Hs.5232	NM_014165	7661785	/cds=(331,1581) HSPC125 protein (HSPC125), mRNA	1	CTATGTGTACTCCTCATCCCTCCTGC TGTATATTTTCTCATTTTTTGCGT
3121	Table 3A	Hs 181112	NM_014166	7661787	/cds=(79,606) ' HSPC126 protein (HSPC126), mRNA	1	TTAAAAGTAACAAAAACTGCCATTTGA CAGTAAAGGCTCTTGGCTTCTGT
3122	Table 3A	Hs.279761	NM_014169	7661793	/cds=(25,837) HSPC134 protein (HSPC134), mRNA	1	GCTCCCTTCTCTTTGATAGCAGTTAT AATGCCCTTGTTCCCAATAAAACT
3123	Table 3A	Hs 13645	NM_014174	7661803	/cds=(45,716) HSPC144 protein (HSPC144), mRNA	1	CTGAGATACTGCTGCTGGAATGGGC GAGACATTGCTGCAAAGAAGTCAAG
3124	Table 3A	Hs.30026	NM_014188	7661831	/cds=(446,1123) cDNA FLJ13048 fis, clone NT2RP3001399, weakly similar to	1	CTGCGGCGTGTTAGGAATGACCTGG AATTGTCAATAAACAGATGCTGCTG
3125	Table 3A	Hs.121025	NM_014205	7656938	SSU72 PROTEIN /cds=(27,488) chromosome 11 open reading frame 5	1	AGCTCCCTAGCTGAACGGGTTACCCT
3126	Table 3A	Hs.58685	NM_014207	7656964	• "	1	GGTCATTAATAAAGCTGTGACTGG CTCATCTAAAGACACCTTCCTTTCCA
	Table 3A	Hs.70499	NM_014210	7657074		1	CTGGCTGTCAAGCCACAGGGCACC GGCAGAATCCACACCAGCTTATCAAC CAACACAGCTAATTTTAGAATAGG
					(EVI2A), mRNA /cds=(219,917)		UNDAGRACITATI FINOMINO

3129 3130	Table 3A	Hs.273307	NM_014230		isoform (PPP2R1A), mRNA	1	GGACAAGTTGGAACAGAAGACCAAG
3130					signal recognition particle 68kD (SRP68), mRNA /cds=(0,1859)		AGTGGCCTCACTGGATACATCAAGG
3130	T 11.00	Hs 332724	NM_014232		AV705126 cDNA, 5' end /clone=ADBCFB08 /clone_end=5'	1	CCCCAATTCTGTGGCGCATCCAGATT GTGAAAATGTACAATAAATGTGTA
3131	Table 3A	Hs 14084	NM_014245	7657521	ring finger protein 7 (RNF7), mRNA /cds=(53,394)	1	TTCAGAGAACTTTTTGCATGCTTATG GTTGATCAGTTAAAAAAGAATGTT
3132	Table 3A	Hs.279919	NM_014248	7657507	ring-box 1 (RBX1), mRNA /cds=(6,332)	1	TGCTGTTTCTGTAGCCATATTGTATTC TGTGTCAAATAAAGTCCAGTTGG
3133	Table 3A	Hs 74711	NM_014280	7657610	splicing factor similar to dnaJ (SPF31), mRNA /cds=(7,801)	1	ACGCCACCCAAACCTTTCACTTTCCA AAGAGCTAGCCGTCCTCCACCCAG
3134	Table 3A	Hs.227823	NM_014287	10947030	pM5 protein (PM5), mRNA /cds=(0,3668)	1	GCATCTGAGATCCTGTTGGAAACCAC AGCAACCTGTATTCATTATTAGGA
3135	Table 3A	Hs 54609	NM_014291	7657117	glycine C-acetyltransferase (2-amino-3- ketobutyrate coenzyme A ligase) (GCAT), mRNA /cds=(3,1262)	1	GGACGTGACCTGTGCTGAGGGCTGT GAGAATGTGAAACAACAGTGTGAAA
3136	Table 3A	Hs.10729	NM_014306	7657014	hypothetical protein (HSPC117), mRNA /cds=(75,1592)	1	GCCATCAGATTGATCTTCTTCACACC AAGCTCTGTTTACATTCCGAGAGG
3137	literature	Hs.5212	NM_014311	7657596	cDNA FLJ10927 fis, clone OVARC1000466 /cds=UNKNOWN	1	CCTTTCCTCACAGGGACCAAGACAAA GCATGGGACATGAAATTAAGAGTG
3138	Table 3A	Hs.278994	NM_014313	7657594	Rhesus blood group, CcEe antigens (RHCE), mRNA /cds=(0,1253)	1	AAGCATGATTCCCACAAGGACTAAGT ATCAGTGATTTGTAATTTTCCTGT
3139	Table 3A	Hs 20597	NM_014315		host cell factor homolog (LCP), mRNA /cds=(316,1536)	1	ACCTGTTGGTTTTAATGTGCATGTGA ATGGCCTAGAGAACCTATTTTTGT
3140	Table 3A	Hs.7256	NM_014319		integral inner nuclear membrane protein (MAN1), mRNA /cds=(6,2741)	1	CCGACCAAGATCCCTCCCTGCAAGA CAGATGGGAATGTGTATAATAACTA
3141	Table 3A	Hs.76556	NM_014330	9790902	protein phosphatase 1, regulatory (inhibitor) subunit 15A (PPP1R15A), mRNA /cds=(240,2264)	1	GGGAGGCGTGGCTGAGACCAACTGG TTTGCCTATAATTTATTAACTATTT
3142	Table 3A	Hs.38738	NM_014343	7656980	claudin 15 (CLDN15), mRNA /cds=(254,940)	1	GGACGGTGTCCCCGCACGTTTGTATT GTGTATAAATACATTCATTAATAA
3143	Table 3A	Hs.48433	NM_014345	7657183	endocrine regulator (HRIHFB2436), mRNA /cds=(621,6920)	1	ATCCTTTCCTCAACCTCCTCCTTTCC CAATTAATTTCAACCATAGTACGA
3144	Table 3A	Hs.17839	NM_014350	7657123	/cds=(197,769)	1	GCCAGCTATGTCCTCTAGGAAATGAC AGACCCAACCACCAGCAATAAACA
3145	Table 3A	Hs.283737	NM_014366		AD-017 protein (LOC55830), mRNA /cds=(118,1233)	1	GAGTGGAAGTAGTTATCTGGAAT
3146	Table 3A	Hs.97101	NM_014373		putative G protein-coupled receptor (GPCR150), mRNA /cds=(321,1337)	1	GCATTTCAGAATGTGTCTTTTGAAGG GCTATACCAGTTATTAAATAGTGT CCAGGGTTTCTGCACTGGTCCCCTCT
3147	literature	Hs.279843	NM_014381		mutL (E. coli) homolog 3 (MLH3), mRNA /cds=(114,4403)	1	TTTCCCTTCAGTCTTCTTCACTTC ACACTGCTACACCATTACTTTCTTGA
3148	Table 3A	Hs 182470	NM_014394		PTD010 protein (PTD010), mRNA /cds=(129,1088)	1	GACATTGTAAGTCCTTTGATACA TGAATAACTAGTGATACCCTCAATAA
3149	Table 3A	Hs.128342	NM_014406	7657252	activated channel, subfamily M, beta member 3-like (KCNMB3L), mRNA /cds=(243,1916)		AACAGGGATTGCCAAGAAGGGAAC
3150	Table 3A	Hs.27258	NM_014412	7656951	mRNA /cds=(117,803)	1	ACCTTTAACATGTAAAGATGCTCACC TTGTTCAGAAGAGAATAAACCAGT
3151	Table 3A	Hs.301956	NM_014415		zınc finger protein (ZNF-U69274), mRNA /cds=(161,3322)	1	TATGTCATAAACATGTAAATAAAAGAT GTTGAATCTTGTTGAAAGCGCGG
3152		Hs.14125	NM_014454		p53 regulated PA26 nuclear protein (PA26), mRNA /cds=(11,1666)	1	TTGTATTCTGGAAGCGTGAATTGCTT TTGAAGTCTGTCAGCATCCACCTC
	Table 3A	Hs.326248			cDNA: FLJ22071 fis, clone HEP11691 /cds=UNKNOWN	1	TTTGTAAGCGAAGGAGATGGAGGTC GTCTTAAACCAGAGAGCTACTGAAT ACTCACAACTTCTTAAGCTAAATGGT
3154		Hs.111632	_		Lsm3 protein (LSM3), mRNA /cds=(29,337)	1	ATTTTCATTTTTCTCAAGCTCTCC AGTTTAGCAATATGACATTCTTGGTG
	Table 3A	Hs.127011	_		tubulointerstitial nephritis antigen (TIN-AG), mRNA /cds=(1,1431)	1	ACAGTGGAATCTTTGTCTCTTCAC GCCACTGACCTTGGCTCACCTTAGAG
3156	Table 3A	Hs.300684	NM_014478	1000910	calcitonin gene-related peptide- receptor component protein (CGRP- RCP), mRNA /cds=(61,507)	•	GAATTTCCTCGAGAACAACAGAGA
3157	literature	Hs.154149	NM_014481	7656891	Homo sapiens, apurinic/apyrimidinic endonuclease(APEX nuclease)-like 2 protein, clone MGC 1418	1	ACTTCTGTCTTTGCTGGAAAGTGTAT TTGTGCATAAATAAAGTCTGTGTA
3158	Table 3A	Hs.120766	NM_014487	13384595		1	TTCTCTTTCTTCACAATGTATGTCCTC AGTGGTACCTATTATTGATGCCT
3159	Table 3A	Hs 296433	NM_014499	10092632	•	1	CTGTGACCCGCTCCCGCCTCATGAG CAAGGAGAGTGGTTCATCAATGATT
3160	Table 3A	Hs.187660	NM_014504	7657495	mRNA /cds=(0,1019) putative Rab5 GDP/GTP exchange factor homologue (RABEX5), mRNA /cds=(77,1552)	1	TGTAGGGTAAATGTGACTGGAATACA CCTTTGGAACGGAATTCTTTATCA

3161	db mining	Hs 278457	NM_014512	7657276	killer cell immunoglobulın-lıke receptor, three domains, short cytoplasmic tail, 1 (KIR3DS1), mRNA /cds=(11,1174)	1	AGAACTTCCAAATGCTGAGCCCAGAT CCAAAGTTGTCTTCTGTCCACGAG
3162	Table 3A	Hs 239720	NM_014515	7657384	CCR4-NOT transcription complex, subunit 2 (CNOT2), mRNA	1	TGACAAATTAGAAGAACGGCCTCACC TGCCATCCACCTTCAACTACAACC
3163	Table 3A	Hs 17667	NM_014521	7657561	SH3-domain binding protein 4	1	TGGATATTTTAACCTGTTAAGTGTGT GTGTGTTTTCTGTACCCAACCAGA
3164	Table 3A	Hs 275243	NM_014624	9845517	(SH3BP4), S100 calcium-binding protein A6 (calcyclin) (S100A6), mRNA	1	TAAATAGGGAAGATGGAGACACCTCT GGGGGTCCTCTCTGAGTCAAATCC
3165	Table 3A	Hs.173288	NM_014633	7661949	/cds=(102,374) KIAA0155 gene product (KIAA0155), mRNA /cds=(86,3607)	1	TGTGTTAGGTTGAATAAGGTGTGGAA AATGCTTTTCTGTTAGTAGAATGC
3166	Table 3A	Hs.170307	NM_014636	7662069	Ral guanine nucleotide exchange factor RalGPS1A (RalGPS1A), mRNA	1	GCAGTAACCACTGAACGTCAATCAGC CCTCCATGGGGTTCTTTCGATTTT
3167	Table 3A	Hs.323580	NM_014644	11036643	/cds=(267,1940) cDNA FLJ10757 fis, clone NT2RP3004578, highly similar to	1	GTTTGAAGTTGTGACTCTCCTGCTAC CAATTAAATAAAGCTTACTTTGCC
3168	Table 3A	Hs 166318	NM_014646	7662021	mRNA for KIAA0477 protein lipin 2 (LPIN2), mRNA /cds=(239,2929)	1	TGCAAGATGAATGGCTAATATTTTGG TGCAGTGTTTGATGTTCAAAACAA
3169	Table 3A	Hs.323712	NM_014664	7662203	KIAA0615 gene product (KIAA0615), mRNA /cds=(237,2927)	1	CTGCCTGTTCAGAACTGTTTAATAGC AGTTACTCTTGAGTGTATTTACCT
3170	Table 3A	Hs.132853	NM_014666	7661967		1	ATTCTAGAGTTTGGAATGCAAAATTAA TTGTTTTACCCTCAAGCTGGGAA
3171	Table 3A	Hs.155291	NM_014670	7661849		1	TGGGGTGAATTTGTTAAAATGAGTAA CTTTGATAAAGTTTTTCATGCACA
3172	Table 3A	Hs.154332	NM_014674	7662001	KIAA0212 gene product (KIAA0212), mRNA /cds=(58,2031)	1	AAAAGTATAGAGTTGGAAACTCTGGG AAAACTTACGGAAATACACAAATG
3173	Table 3A	Hs.151791	NM_014679	7661899		1	ATGTGTCAACCACCATTTCAGCTATT AAAAACTCCTGTTATCTCCTTGTT
3174	Table 3A	Hs 186840	NM_014686	7662075	KIAA0355 gene product (KIAA0355), mRNA /cds=(838,4050)	1	TACAATGCTTCCAAACTGGAACTCTA CATTTTGTATCTTTTAAAGCTCCT
3175	Table 3A	Hs.111894	NM_014713	13518239	lysosomal-associated protein transmembrane 4 alpha (LAPTM4A),	1	GTGACTTGACTGTGGAAGATGATGGT TGCATGTTTCTAGTTTGTATATGT
3176	Table 3A	Hs.181418	NM_014730	7661947	mRNA /cds=(148,849) KIAA0152 gene product (KIAA0152), mRNA /cds=(128,1006)	1	CCTTCCATGTCCCACCCCACTCCCAC CAAAAAGTACAAAATCAGGATGTT
3177	Table 3A	Hs.81892	NM_014736	7661905	KIAA0101 gene product (KIAA0101), mRNA /cds=(61,396)	1	TGGTGTTTGATTATTGGAATGGTGCC ATATTGTCACTCCTTCTACTTGCT
3178	Table 3A	Hs 80905	NM_014737	7661963	Ras association (RalGDS/AF-6) domain family 2 (RASSF2), mRNA	1	ACAGGGCCTCAGCAAGGGAGCCATA CATTTTTGTAACATTTTGATATGTT
3179	Table 3A	Hs.108920	NM_014739	7661957	/cds=(196,1176) HT018 mRNA, complete cds /cds=(451,1179)	1	GGCTAAACGATTCTTACTCAGTGTGA TGTATAATGATGCAACAGGGACCC
3180	Table 3A	Hs.79768	NM_014740	7661919	KIAA0111 gene product (KIAA0111),	1	TAATGGGGTTTATATGGACTTTCTTCT CATAAATGGCCTGCCGTCTCCCT
3181	Table 3A	Hs.77724	NM_014749	7662189	mRNA /cds=(214,1449) KIAA0586 gene product (KIAA0586),	1	ATACCTTCTGAACGGGAAGAGACAGC CAGCACAGTGTTTATGCCACTGGT
3182	Table 3A	Hs.77665	NM_014752	7661907		1	TTCCACTAGTATATCCCTGTTGATTTG TTTGTGCCTTTTATTAACTGCCA
3183	Table 3A	Hs.77329	NM_014754	7662646	mRNA /cds=(307,678) phosphatidylserine synthase 1	1	TCATCTGTGCCATGCTCTAGAACCTT GACCTTGATAGTTCACCACGTCTG
3184	Table 3A	Hs 76986	NM_014757	13376996		1	ACTGCCCTTAACTCTGGTATACACCA AAAAGAAATCTTTACTTTCCTTGT
3185	Table 3A	Hs.75824	NM_014761	7661971	(MAML1), mRNA /cds=(263,3313) KIAA0174 gene product (KIAA0174),	1	AGGCAGCCTTTCTTTAATGTTTTCAGT TGGTTTGTATTTTGTAGCTCAGT
3186	Table 3A	Hs 75574	NM_014763	7661911	mRNA /cds=(63,1157) mitochondrial ribosomal protein L19 (MRPL19), mRNA /cds=(34,876)	1	CCAGAATGGTCTTTAATGAGCATGGA ACCTGAGCAAAGGGAATAGGTGGG
3187	Table 3A	Hs.75416	NM_014764	7661885	DAZ associated protein 2 (DAZAP2), mRNA /cds=(69,575)	1	TCTCTCTCTACACTGTGGTGCACTTA ACTTGTGGAATTTTTATACTAAAA
3188	Table 3A	Hs 74583	NM_014767	7662035	5 KIAA0275 gene product (KIAA0275), mRNA /cds=(316,1590)	1	ACTCAGCCTAAGGAAACAAGTACACT CCACACATGCATAAAGGAAATCAA
3189	Table 3A	Hs.52526	NM_014779	7662235	5 KIAA0669 gene product (KIAA0669), mRNA /cds=(1016,3358)	1	TGTCAAATAAAAGAGAACGAACAGGT AGTTTGGTGGAGCTGAGCT
3190	Table 3A	Hs 28020	NM_014805	7662293	3 KIAA0766 gene product (KIAA0766), mRNA /cds=(116,1939)	1	TTTGCATCATGTAGTCATTGAGTGAG GGGGAGATATAAGCCAAGGATTTT
3191	Table 3A	Hs.23488	NM_014814	7661913	3 KIAA0107 gene product (KIAA0107), mRNA /cds=(25,1194)	1	GCTTACTTCACAATGTGCCCAGGTCA GCTGTATAAAATAAA
3192	Table 3A	Hs 279849	NM_014819	7662123	3 KIAA0438 gene product (KIAA0438), mRNA /cds=(117,2243)	1	TGTAATGGTTGGTTTATTGTTCTATAA CCCCAGCCCATCATTTTCTGTGT
3193	Table 3A	Hs.17969	NM_014827	766223		1	AGTCAATGTTTCGTGTTCCGCATTATT TGAACCATTTGCCCTTACAGAAA
3194	Table 3A	Hs.194035	NM_014828	7662273	KIAA0737 gene product (KIAA0737),	1	AGGGAGCAGTGCTTTTGGGTCCTAG AACCTGTTGAGTTTCTAATGAATAT
3195	Table 3A	Hs 173802	NM_014832	7662197	mRNA /cds=(32,1897) 7 KIAA0603 gene product (KIAA0603), mRNA /cds=(347,4246)	1	AATGACTTGTTATAGCTCAGTGTGCC CTTGAATCCATACAGTTTCTTAAA

Table 8

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3196	Table 3A	Hs 15087	NM_014837	7662023	KIAA0250 gene product (KIAA0250),	1	TGTTTTGTTTTCTGGGTTTTGTTTTTT GTTTTTGTCTGTGCAAGACCTGC
3197	Table 3A	Hs 7764	NM_014851		KIAA0469 gene product (KIAA0469),	1	GGCTTCCATGTCCAGAATCCTGCTTA AGGTTTTAGGGTACCTTCAGTACT
3198	Table 3A	Hs 6684	NM_014856	7662151	mRNA /cds=(184,1803) KIAA0476 gene product (KIAA0476),	1	CCTGACCTGTGCAATAAGGATTGTTC CCTGCGAAGTTTTGTTGGATGTAA
3199	Table 3A	Hs.6336	NM_014859	7662241	mRNA /cds=(568,4728) KIAA0672 gene product (KIAA0672),	1	GAGTCTGGGGTAAGGGTGGGGGTTG AAAGTTGTTATCTTTAAATACATGT
3200	Table 3A	Hs 5737	NM_014864	7662149	mRNA /cds=(300,2756) KIAA0475 gene product (KIAA0475),	1	TTGATCTGCCAAGGATTTCCTCTCAG AGCTGTTGCACAGACAGAGATTGT
3201	Table 3A	Hs.5094	NM_014868	7662652	mRNA /cds=(336,1565) ring finger protein 10 (RNF10), mRNA	1	GGGGGTTTCCACAATGTGAGGGGGA ACCAAGAAAATTTTAAATACAGTGT
3202	Table 3A	Hs.273397	NM_014871		/cds=(698,2983) KIAA0710 gene product (KIAA0710),	1	TGCCTGTCCCAAGTTTTGTTCCATTTT TTAAAAATTTGTTGTAAACTGCA
3203	Table 3A	Hs 3085	NM_014877		mRNA /cds=(203,3550) helicase KIAA0054 (KIAA0054), mRNA /cds=(145,5973)	1	TATTGTTACATATGTTTGCATCAAGCT AGCAGCCAAGAGGTTAATTGTGC
3204	Table 3A	Hs.1528	NM_014882		KIAA0053 gene product (KIAA0053), mRNA /cds=(193,2109)	1	AAACCAGAACAAGCAACAAACTGTAT TTATGCAAGCAAAATTGATGAGAA
3205	Table 3A	Hs 8170	NM_014886	7662676	hypothetical protein (YR-29), mRNA /cds=(82,864)	1	TGATGTTTCTGAATACTACCAAACAG CCATACATGTCTGCAATGAAGAGA
3206	Table 3A	Hs.23518	NM_014887	7656970	hypothetical protein from BCRA2 region (CG005), mRNA	1	TATCATCCTCCTTCTCAACCCATCTC CCTAACCCCACATGCTTGCCAGTT
3207	Table 3A	Hs 239189	NM_014905	7662327	glutaminase (GLS), mRNA /cds=(19,2028)	1	TTCTGAAATTGGGAAACATTTATTTTA AATGCAATCAGGTAGTGTTGCTT
3208	Table 3A	Hs.131915	NM_014913	7662345	KIAA0863 protein (KIAA0863), mRNA /cds=(185,3580)	1	GACTGAATTTGACATCTGGTATGCTG GTATGTAGCTCATACATCAAGAGT
3209	Table 3A	Hs.110488	NM_014918	7662433	KIAA0990 protein (KIAA0990), mRNA /cds=(494,2902)	1	TTGTACTTTTCAGAACCATTTTGTCTC ATTATTCCTGTTTTAGCTGAAGA
3210	Table 3A	Hs.104305	NM_014922	14719827	death effector filament-forming Ced-4- like apoptosis protein (DEFCAP), transcript variant B, mRNA	1	CTGGCTGTGTCACAGGGTGAGCCCC AAAATTGGGGTTCAGCGTGGGAGGC
3211	Table 3A	Hs.211576	NM_005546	5031810	IL2-inducible T-cell kinase (ITK), mRNA /cds=(2021,3883)	1	AATGGTCCCCTGTGTTTGTAGAGAAC TCCCTTATACAGAGTTTTGGTTCT
3212	Table 3A	Hs.70266	NM_014933	7662369	yeast Sec31p homolog (KIAA0905), mRNA /cds=(53,3715)	1	TTCTTTCATGTCCTCCCTACTTCCTCA GTGTCAATCAGATTAAAGTGTGT
3213	Table 3A	Hs.42959	NM_014939	7662447	KIAA1012 protein (KIAA1012), mRNA /cds=(57,4364)	1	TTTGAACTTTGGTCATAGAGTCTTCAT ATTTCAGTATTTGGTGGTCCCTA
3214	Table 3A	Hs.24083	NM_014950	7662437	KIAA0997 protein (KIAA0997), mRNA /cds=(262,2196)	1	ACCCTAGAGTTACTCTCTTTTGGGAA CATAAGGAGGTATACAGAACTGCA
3215	Table 3A	Hs.323346	NM_014953	7662443	/cds=(93,2879)	1	TTGATGTGTCACAAAACATTACTCATT TGATTTCCCCCACCCCCGCCAAC
3216	Table 3A	Hs.10031	NM_014959	7662403	/cds=(313,1608)	1	TCAGGGCGTTTGAATGTGAATTAGGA CCAGCGCAATGAATGCTCAAGTTG AGTTCCCAGTCTCTTCTGTCCTGCAG
3217	Table 3A	Hs.227133	-	7662237	mRNA /cds=(327,4352)	1	CCCTTGCCTCTTTCCCACAGGTTC GTAGAATCAGGCACTGCTCGCAGAA
3218	Table 3A	Hs.184627	_	7661921	/cds=(255,932)	1	GGAACACAGGCACTGCTGGCACAA GGAACACAGATTGTAGAGATTAACA TTTTCTCAGCGCAGTTTTGTTTT
3219		Hs.184245	_	14790189	protein (SHARP), mRNA	1	GTCCATTGGATTACAAACTTTAT TGCCTCATTATCTTGCAGCTGTAAAC
	Table 3A	Hs.151411	_	7662379	KIAA0916 protein (KIAA0916), mRNA /cds=(146,14071) GTPase regulator associated with the	1	ATATTGGAATGTACATGTCAATAA GCCATAGCCTGAATCTTTTAGGGGTA
3221	Table 3A	HS.132942	: NM_015071	7662207	focal adhesion kinase pp125(FAK); KIAA0621 protein (KIAA0621), mRNA /cds=(423,2867)	•	TTAAGGTCAGCCTCTCACTCTTCC
3222	Table 3A	Hs 306117	NM_015125		capicua protein (CIC) mRNA, complete cds /cds=(40,4866)	1	AGCCGCCTTCCAGGCCCGCTATGCA GACATCTTTCCCTCCAAGGTTTGTC
3223	Table 3A	Hs.79337	NM_015148	8923825	KIAA0135 protein (KIAA0135), mRNA /cds=(1803,3791)	1	AGCAGCTTTCTTCAAGTCGCTCTTTA GCCCTTTGTGGTTAATCTCTCAGT
3224	Table 3A	Hs.11000	NM_015344	7662509	/cds=(84,479)	1	TGCACTGATACAACATTACCATTCTTC TATGGAAAGAAAACTTTTGATGA ATAGAGGAGGAGGCACTTCAGGGGT
3225	Table 3A	Hs 287586	6 NM_015384	7661841	cDNA FLJ13648 fis, clone PLACE1011340, weakly similar to IDN3- B mRNA /cds=UNKNOWN	1	GAGGCGGAGGAGGAGTCAACGTATT
3226	Table 3A	Hs.105460	NM_015393		DKFZP564O0823 protein (DKFZP564O0823), mRNA	1	ATACCCACACAGCAACTGGTCCACTG CTTTACTGTCTGTTGGATAATGGC
3227	Table 3A	Hs.99843	NM_015400	7661691	DKFZP586N0721 protein (DKFZP586N0721), mRNA /cds=(726,1151)	1	AGATTTGTGTCCTCTCTCTTTCCCTCTCT TCCTCTTGTAAGTGCCCTTCTAA
3228	Table 3A	Hs.75884	NM_015416	7661659	•	1	GCACTGTTTTTAAACCCAAGTAAAGA CTGCTTGAAACCTGTTGATGGAAA
3229	Table 3A	Hs 64595	NM_015423	7661649	dehydrogenase-phosphopantetheinyl transferase (AASDHPPT), mRNA	1	AGATTTCCCCTCAGTTTCCATTGACTT AGATCAGGTTACAGAGAAAGGCA
					/cds=(166,1095)		

3230	Table 3A	Hs 48320	NM_015435		mRNA for ring-IBR-ring domain containing protein Dorfin, complete cds	1	AGATCGAGATCTTCAGTCCTCTGCTT CATCTGTGAGCTTGCCTTCAGTCA
3231	Table 3A	Hs.12305	NM_015509		/cds=(317,2833) DKFZP566B183 protein	1	AGTGACTAAATACTGGGAACCTATTT TCTCAATCTTCCTCCATGTTGTGT
3232	Table 3A	Hs.6880	NM_015530	7661569	(DKFZP566B183), mRNA DKFZP434D156 protein (DKFZP434D156), mRNA	1	TGGCACTCTGTGGCTCCTTGTAGTAT TATAGCTATACTGGGAAAGCATAG
3233	Table 3A	Hs 187991	NM_015626	7661595	DKFZP564A122 protein (DKFZP564A122), mRNA	1	TTGGTGAGTTGCCAAAGAAGCAATAC AGCATATCTGCTTTTGCCTTCTGT
3234	Table 3A	Hs 156764	NM_015646	7661677	RAP1B, member of RAS oncogene family (RAP1B), mRNA /cds=(148,702)	1	AATTGACCAACCTAATGTTACAACTA CTTTGAGGTGGCCAAATGTAAACT
3235	Table 3A	Hs 44563	NM_015697	7661549	Homo sapiens, Similar to RIKEN cDNA 2310002F18 gene, clone MGC:10413 IMAGE:3954787, mRNA, complete cds /cds=(16,1131)	1	CTACTACGCTGCCCTGGGTGCTGTA GGAGCCCATCTGACTCACCAGAAAT
3236	Table 3A	Hs 5324	NM_015702	7661547	hypothetical protein (CL25022), mRNA /cds=(157,1047)	1	AAGGCCTCAGTTTTAATTATTTTCTTC CCAAAATAAATCACACATTTGGT
3237	Table 3A	Hs.110707	NM_015726	7657147	H326 (H326), mRNA /cds=(176,1969)	1	GGTGGGGTGATAGGGTGGGCTAAAA ACCATGCACTCTGGAATTTGTTGTA
3238	Table 3A	Hs.25674	NM_015832	7710144	methyl-CpG binding domain protein 2 (MBD2), transcript variant testis- specific, mRNA /cds=(229,1137)	1	AGAGGCAGCTTCTAGACAGAGTTGCT TAATGAAAGGGTTTGTAATACTTT
3239	Table 3A	Hs.278573	NM_015874	7706215	H-2K binding factor-2 (LOC51580), mRNA /cds=(238,1500)	1	GCTCAGTTCCATATTTCATCCGTGAA AAACTTGCAATACGAGCAGTTTCA
3240	Table 3A	Hs.104640	NM_015898	7705374	HIV-1 inducer of short transcripts binding protein (FBI1), mRNA /cds=(0,1754)	1	CAACGGCCAGGAGAAGCACTTTAAG GACGAGGACGAGGACGAGGACGTGG
3241	Table 3A	Hs 287414	NM_015906	7706235	transcriptional intermediary factor 1 gamma (TIF1GAMMA), transcript variant alpha, mRNA /cds=(84,3467)	1	ATACAGCCCCGGCAGAAAACGCCTA AAGTCAGATGAGAGACCAGTACATA
3242	Table 3A	Hs.145956	NM_015919	7706241	zinc finger protein mRNA, complete cds /cds=(1073,3133)	1	ACCAGAAACTTCAAATGTGTCACAAA AGATGAGCAGAACTATCCCGAGGT
3243	Table 3A	Hs.279813	NM_015932	7705428	hypothetical protein (HSPC014), mRNA /cds=(82,507)	1	AAAGCGAAGTCATGGGAGAGCCACA CTTGATGGTGGAATATAAACTTGGT
3244	Table 3A	Hs.171774	NM_015933	7705430		1	TCCCTGCCATAACATCTTTTGCCACG TATAGCTGGAATTAAGTGTTGTCT
3245	Table 3A	Hs.119908	NM_015934	7706253		1	CTGGTGACTCCACACTTCCAACCTGC TCTAAAAAACGCAAAATAGAACAG
3246	Table 3A	Hs.84038	NM_015937	7706257		1	TGTGTAGTGGATGGAGTTTACTGTTT GTGGAATAAAAACGGCTGTTTCCG
3247	Table 3A	Hs.5798	NM_015946	7705599	mRNA /cds=(259,1416)	1	ACAGGGATTTCTTATGTCTTTTGGCTA CACTAGATATTTTGTGATTGGCAA
3248	Table 3A	Hs.7236	NM_015953	7705715	mRNA /cds=(44,949)	1	AGGCCTGAGTGTGTGCGGGAGACCA AATAAACCGGCTTGGGTGCGCAAAA
3249	Table 3A	Hs.7104	NM_015995	7706289	clone DKFZp761P06121)	1	AAGAAAGAAGAGAGAGAACTTGATGC CAAGTCCACGAAAAAACAATTTTT GATCCAGCTGTGCTTAAGAGCCAGTA
3250	Table 3A	Hs.6153	NM_016001	7705764	/cds=(107,1672)	1	ATGTCTTAATAAACATGTGGCAGC AAGCACTTGTTTTATTTTTGTGTGTGGA
3251	Table 3A	Hs.7194	NM_016007		CGI-74 protein	1	GTATAAAGGCTACACCCTTATTG CCTTTTTCTACAGAATCATCAGGCAT
	Table 3A	Hs 318725	-		CGI-72 protein (LOC51105), mRNA /cds=(69,1400)	1	GGGTAAGGTGGCTAACGCTGAGAT TGGGTATGTTCTAGAGATTTACCACC
	Table 3A		NM_016039		CGI-99 protein (LOC51637), mRNA /cds=(161,895)	1	ATTGCTTATTGCTTTTTCTTTAA TCTTCTTGATAGATGAGGCCATGGTG
3254		Hs 286131	_		CGI-101 protein (LOC51009), mRNA /cds=(6,635) CGI-112 protein (LOC51016), mRNA	1	TAAATGGAAGTTTCAGAGAGACA GTGGGTTGGTCCCACTAATGGAAATG
3255	Table 3A	HS.271614	NM_016049		/cds=(158,784)		GAAATGCCTGAGCCAGGCCAGCGG
3256	Table 3A	Hs 283670	NM_016056		CGI-119 protein (LOC51643), mRNA /cds=(0,776)	1	TCTGGAAGCAGTTAATAAAAAGTA
3257	Table 3A	Hs.181271	NM_016057		CGI-120 protein (LOC51644), mRNA /cds=(37,570)	1	GCATGGAGTCAGGAGAAAACCACCTT CATAAACTGCTCTGTGCAAAGAGG
3258	Table 3A	Hs 27693	NM_016059		peptidylprolyl isomerase (cyclophilin)- like 1 (PPIL1), mRNA /cds=(227,727)	1	ACAAATGCCCCTGTTTATCAATAGGT GACTACTTACTACACATGGAACCA
3259	Table 3A	Hs.184542	_		CGI-127 protein (LOC51646), mRNA /cds=(125,490)	1	TGATTATATGCAGATTCCTAGTAGCA TGCCTTACCTACAGCACTATGTGC
3260	Table 3A	Hs 32826	NM_016063		3 CGI-130 protein (LOC51020), mRNA /cds=(63,575)	1	GGTCATTGAGCCTCAGGTAGGGAATA TATCAACCCGATTTCTTCCTCTCT TTTCAAACTCCCCACACTCTGTACAA
3261		Hs.5887	NM_016090		RNA binding motif protein 7 (RBM7), mRNA /cds=(21,821)	1	TTTCAAAGTGCCCAGACTGTGTACAA AGACACATGTAATGGAGATTGTAC
3262		Hs 119503			2 HSPC025 (HSPC025), mRNA /cds=(33,1727)	1	AGGACCGAAGTGTTTCAAGTGGATCT CAGTAAAGGATCTTTGGAGCCAGA
3263	Table 3A	Hs 7953	NM_016099	7705820) HSPC041 protein (LOC51125), mRNA /cds=(141,455)	1	AGTTTCACTGTCAGAGATATTGTAGG TGCTAATACTGGATTTCGTCTCAG

3264	Table 3A	Hs.27023	NM_016106	7706370	vesicle transport-related protein	1	AGTTAGAAGAGCAATATGTTTCCTTC
3265	db mining	Hs 306603	NM 016115	7705830	(RA410), mRNA /cds=(7,1929) cDNA FLJ11517 fis, clone	1	TCTGTAACAGTGTCCTAACAGTGA AGCTGCCACTTCCCAGAAGCCTACAT
	_		_		HEMBA1002337 /cds=UNKNOWN putative protein kınase NY-REN-64	1	AATTATTTGCTCTATGAAGACGTT GCCACTAATAACATTGGGCTAATATC
3266	Table 3A	Hs 142295	NM_016123	7705840	antigen (LOC51135), mRNA		TGCTGTGCTTCTCTGACAGGTAGT
3267	Table 3A	Hs 279921	NM_016127	7706384	HSPC035 protein (LOC51669), mRNA /cds=(16,1035)	1	AGCATGCAGTTCTCTGTGAAATCTCA AATATTGTTGTAATAGTCTGTTTC
3268	Table 3A	Hs.102950	NM_016128	11559928	coat protein gamma-cop (LOC51137), mRNA /cds=(15,2639)	1	TGAATCTATCCCCCAAGAAACCATCT TATCCCTGTAATAAATCAGCATGT
3269	Table 3A	Hs.272398	NM_016135	7706730	transcription factor ets (TEL2), mRNA	1	GTGCTTCCAGGCGGCACTGACAGCC TCAGTAACAATAAAAACAATGGTAG
3270	Table 3A	Hs.108969	NM_016145	7706664	/cds=(75,1100) PTD008 protein (PTD008), mRNA	1	GTCCATGTTTCTAGGGGTATTCATTT
3271	Table 3A	Hs.279901	NM 016146	7706666	/cds=(233,553) PTD009 protein (PTD009), mRNA	1	GCTTTCTCGTTGAAACCTGTTGTT TAGGTCCATAAATGTTGTAATAAATAT
			_	7706672	/cds=(257,916) cDNA: FLJ21192 fis, clone COL00107,	1	TCCTTTGATCTTGGTGTTTGCGT GCTAGTACCTGTTATTTATTACCTGG
3272	Table 3A	Hs.306706	NM_016154	7700072	highly similar to AF165522 ras-related GTP-binding protein 4b (RAB4B)		AGGCCTGTCCAGCACCCACCCTAC
0070	Table 24	Un 070519	NM_016160	4502146	mRNA /cds=UNKNOWN amyloid beta (A4) precursor-like protein	1	CCCACTATGCACAGATTAAACTTCAC
3273	Table 3A	Hs.279518	_		2 (APLP2), mRNA /cds=(72,2363)		CTACAAACTCCTTAATATGATCTG TGTGCTCTGTTTTACCTTACTCTGTTT
3274	Table 3A	Hs.75251	NM_016166	7706636	DEAD/H (Asp-Glu-Ala-Asp/His) box binding protein 1 (DDXBP1), mRNA /cds=(96,2051)	1	AGAAAAGTATACAAGCGTGTTTT
3275	Table 3A	Hs.241578	NM_016200	7706424	U6 snRNA-associated Sm-like protein LSm8 (LOC51691), mRNA	1	TGAGTGTGTCTCTGGATTTTGACCCC TTATTGATTCATTGTAATATGTAA
3276	literature	Hs.135756	NM_016218	7705343	polymerase (DNA-directed) kappa	1	ACATTTGTAAGGGCTCTCAAAGATTC ACACATGCCTATATTATCATAAGA
3277	Table 3A	Hs.7905	NM_016224	7706705	(POLK), mRNA /cds=(172,2784) SH3 and PX domain-containing protein	1	TCCGCATCCATTATTTAAACCAGTGG
3278	Table 3A	Hs.108636	NM 016227	7705321	SH3PX1 (SH3PX1), mRNA membrane protein CH1 (CH1), mRNA	1	AAATTGTCTCTATTTTTGGAAAGT ACGGAGCTGTAGTGCCATTAGAAACT
			_		/cds=(124,4341) flavohemoprotein b5+b5R	1	GTGAATTTCCAAATAAATCTGAAC AGCCTTCAGTTTCTTAAATGAAATCAA
3279	Table 3A	Hs.5741	NM_016230		(LOC51167), mRNA /cds=(6,1469)		ATGTTCCTTCAGTACAGGTAACT CCAGACCCCCATCACTTGATGGGCC
3280	Table 3A	Hs.127561	NM_016239	7705900	myosin XVA (MYO15A), mRNA /cds=(338,10930)	1	ACACAAGTTTGAGAGTGGTACAAGG
3281	Table 3A	Hs.250646	NM_016252	10442821	baculoviral IAP repeat-containing 6 (BIRC6), mRNA /cds=(0,14489)	1	TCAGGTTAAACCCAGCAGCAGCAAAG AACTCCCCAGTGACTTCCAGTTAT
3282	Table 3A	Hs.107740	NM_016270	7706468		1	GGTGGGCATTTTTGGGCTACCTGGTT CGTTTTTATAAGATTTTGCTGGGT
3283	Table 3A	Hs.8148	NM_016275	7706470	selenoprotein T (LOC51714), mRNA	1	AGTGCAATAATACTGTATAGCTTTCC CCCACCTCCCACAAAATCACCCAG
3284	Table 3A	Hs.279586	NM_016283	7706211	/cds=(138,629) adrenal gland protein AD-004	1	AATCATGTTGCAGAACCAGCAGGTGG
3285	Table 3A	Hs.6406	NM_016289	7706480	(LOC51578), mRNA /cds=(341,859) MO25 protein (LOC51719), mRNA	1	ATAGTATATAGGTTTATGCCTGGG GGTGCAGCGTGTCAGACACACATTC
			_		/cds=(53,1078) heat shock protein 75 (TRAP1), mRNA	1	ATGTTACTCTTACATTGGAATCTG GGACTGACACCACAGATGACAGCCC
3286	literature	Hs.182366	_		/cds=(4,2118)		CACCTCCTTGAGCTTTATTTACCTA ACGACCCATTTTGCAAGACTTAAAGC
3287	Table 3A	Hs.14770	NM_016293	7706486	/cds=(38,1735)	1	CGGAAGAACACATTTTCAGATTGT
3288	Table 3A	Hs 284164	NM_016301	9994188	protein x 0004 (LOC51184), mRNA /cds=(31,885)	1	AGGAATTACTGTAACAAAATATGTAT GTCCGAAGGGAAAAAGCTGCAAGG
3289	Table 3A	Hs.102897	NM_016302	10047097	CGI-47 protein (LOC51095), mRNA /cds=(131,1348)	1	TCCTGTGGAATCTGATATGTCTGGTA GCATGTCATTGATGGGACATGAAG
3290	Table 3A	Hs.284162	NM_016304	10047101	60S ribosomal protein L30 isolog	1	ATGGCACTAGGCAGCATTTGTATAGT AACTAATGGCAAAAATTCATGGCT
3291	Table 3A	Hs.334811	NM_016312	7706500	(LOC51187), mRNA /cds=(143,634) Npw38-binding protein NpwBP	1	ATTTGATTAAAATTATTTCCCACTGAC CTAAACTTTCAGTGATTTGTGGG
3292	literature	Hs 110347	NM_016316	7706680	(LOC51729), mRNA /cds=(143,2068) REV1 (yeast homolog)- like (REV1L),	1	AAAGCAAGTGTTTTGTACATTTCTTTT
3293	Table 3A	Hs.83761	NM_016325	7706506	· mRNA /cds=(212,3967) 3 zinc finger protein 274 (ZNF274),	1	CAAAAAGTGCCAAATTTGTCAGT AATCTGCACTGATATTACATCCACAG
3294	•	Hs.16085	- NM_016334	7706703	mRNA /cds=(401,2266) putative G-protein coupled receptor	1	TACCACAGTATTTATGTGTATGAA ATGGTAGCTGAGCCAAACACGTAGG
					(SH120), mRNA /cds=(103,1470) hypothetical protein (HSPC111),	1	ATTTCCGTTTTAAGGTTCACATGGA AAGCCAGAACCTGCTGTTTTCAGGGT
3295		Hs.279918	_		mRNA /cds=(62,598)		GGGTGATGTAAATATAGTGTGTAC TGACAAATTAGAAGAACGGCCTCACC
3296	Table 3A	Hs.239720	NM_016398	7705464	subunit 2 (CNOT2), mRNA	1	TGCCATCCACCTTCAACTACAACC
3297	Table 3A	Hs.334788	3 NM_016406	7705480	hypothetical protein FLJ14639 (FLJ14639), mRNA /cds=(273,689)	1	TCTTTCTGGTTTCTGGAGATAACCCA TCAATAAAAGCTGCTTCCTCTGGT
3298	Table 3A	Hs 98289	NM_016440	7705992	VRK3 for vaccinia related kinase 3 (LOC51231), mRNA /cds=(118,1542)	1	GGGACCCCTCCTACCCTTGACTCCTC TGTGCTTTGGTAATAAATTGTTTT
3299	Table 3A	Hs.3059	NM_016451	7705368		1	GTTCTGAATGCTGTCCTCAAAGTATA TAATGTTTCATGTACCAAGACCCT

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3300	Table 3A	Hs 172918	NM_016466	7706006	hypothetical protein (LOC51239),	1	GACATCTGCTCCCTCCTGCAACA CAGCCCAGCCCTGAAGGCCATCCG
3301	Table 3A	Hs.171566	NM_016468	7706010	mRNA /cds=(0,527) hypothetical protein (LOC51241),	1	TGGGAAGATCCTGACCTCCTCCAAG
3302	Table 3A	Hs 75798	NM_016470	7705508	mRNA /cds=(0,320) hypothetical protein (HSPC207),	1	GAAGAAATCCAGAAAGCCTTAAGAC AGCCAGTGATCTCTCTGACTTTCAAT
3303	Table 3A	Hs 55847	NM_016497	7706044	mRNA /cds=(0,620) hypothetical protein (LOC51258),	1	CAGTTTCCAAGCTTAACCAGGGCA AAACGCATCCGCTATCTCTACAAACA
3304	Table 3A	Hs.278429	NM_016520	7706556	mRNA /cds=(0,386) hepatocellular carcinoma-associated	1	CTTTAACCGACATGGGAAGTTTCG TCCTCCAGCTGACAGAAAAATCCAGG
					antigen 59 (LOC51759), mRNA /cds=(27,896)		ATGAGATCAGAAGGATACTGGTGT
3305	Table 3A	Hs.183125	NM_016523	7705573	killer cell lectin-like receptor subfamily F, member 1 (KLRF1), mRNA	1	TTCCAGGCTTTTGCTACTCTTCACTC AGCTACAATAAACATCCTGAATGT
3306	Table 3A	Hs.75425	NM_016525	8394498	ubiquitin associated protein (UBAP), mRNA /cds=(172,1680)	1	ACACCTAGTCATAGAAATCAGTCTCT CTGGTTTGTTTTGT
3307	Table 3A	Hs.239208	NM_016533	7706622	ninjurin 2 (NINJ2), mRNA /cds=(56,484)	1	CACTGCTTCCTTCTGCTCCAGGCCTC AATTTTCCCTTCTTGTAAAATGGA
3308	Table 3A	Hs.10071	NM_016551	7706574	seven transmembrane protein TM7SF3 (TM7SF3), mRNA /cds=(37,1749)	1	ACTTTCGGAGGGAGTTTATTATTGAG TCTTTATCTGTGACAGTATTTGGA
3309	Table 3A	Hs 179152	NM_016562	7706092	toll-like receptor 7 (LOC51284), mRNA /cds=(135,3284)	1	ATAGAGAGGTAATTAAATTGCTGGAG CCAACTATTTCACAACTTCTGTAA
3310	Table 3A	Hs.18552	NM_016565	7706098	E2IG2 protein (LOC51287), mRNA /cds=(131,421)	1	GTTCCACCAGTATTTACCAGGAAAAC AAAGAATGTGTTAAGGGATGCTCC
3311	Table 3A	Hs.267182	NM_016569	7706728	T-box 3 (ulnar mammary syndrome) (TBX3), mRNA /cds=(116,1906)	1	TGCTATTTCCTATTTTCACCAAAATTG GGGAAGGAGTGCCACTTTCCAGC
3312	Table 3A	Hs.14896	NM_016598	7706132		1	TGCTGCCACTTTTCAATTCTGTCAGT GCTTCCACATGGAAACAAAATGCA
3313	Table 3A	Hs.24125	NM_016604	7706598	putative zinc finger protein (LOC51780), mRNA /cds=(744,4997)	1	TCACTTTCTGTATTTTAATTTTGTTGA AGGGCTGATTGGGATTTCCATGT
3314	Table 3A	Hs.46847	NM_016614	7705261	TRAF and TNF receptor-associated protein (AD022), mRNA /cds=(16,1104)	1	GCATGAAGAGACATAGCCTTTTAGTT TTGCTAATTGTGAAATGGAAATGC
3315	Table 3A	Hs.107139	NM_016619	7706157		1	TGTTGTCCCTGAACTTAGCTAAATGG TGCAACTTAGTTTCTCCTTGCTTT
3316	db mining	Hs.106826	NM_016621	7706159		1	TCATAGTGTCAGTGAGGTCCCGTGAG TCTTTGTGAGTCCTTGTGTCATCG
0047	Table 04	No 02019	NM 016622	7705303	BINDING PROTEIN 4 /cds=(385,2289) hypothetical protein (BM-009), mRNA	1	GTGCGTAGAATATTACGTATGCATGT
3317	Table 3A	Hs.92918	NM_016623	7706169	/cds=(385,1047)	1	TCATGTCTAAAGAATGGCTGTTGA CGTGGTTGTGGGAGGGGAAAGAGGA
3318	Table 3A	Hs.70333	NM_016628	7700109	cds /cds=(0,1105)	•	AACAGAGCTAGTCAGATGTGAATTG
3319	Table 3A	Hs.71475	NM_016630	13699804	acid cluster protein 33 (ACP33), mRNA /cds=(176,1102)	1	GGACATTGGTTATTTTATGCTTTCTTG GATATAACCATGATCAGAGTGCC
3320	Table 3A	Hs.278027	NM_016733	8051617	LIM domain kinase 2 (LIMK2), transcript variant 2b, mRNA	1	GCAAGTGTAGGAGTGGTGGGCCTGA ACTGGGCCATTGATCAGACTAAATA
3321	literature	Hs.342801	NM_016734	9951919		1	AATCAGAAGAGCCTGGAAAAAGACCT AGCCCAACTTCCCTTGTGGGAAAC
3322	Table 3A	Hs.324470	NM_016824	9943847		1	TCAACAAAGGGGATTTTGTACACATA ACATGGGTTATTTAGTTTAACTCT
3323	Table 3A	Hs.77273	NM_016936	9055373	ras homolog gene family, member A (ARHA), mRNA /cds=(151,732)	1	CTTTTGTGCAGCGACTATGTTGGTGT TAGGGGTGGTGTGGAGATTGTTAA
3324	Table 3A	Hs.159565	NM_016952	8393083		1	ATTTATGCCTTAAATGTTTTCTTCCCC ATTCCTTCCTCCCCCTCGGTAGG
3325	Table 3A	Hs.9082	NM_017426	8393857	nucleoporin p54 (NUP54), mRNA	1	TTTGTATTTGTGAACTCATCTGTGGG AGGAGTAAAGAAAATCCAAAAGCA
3326	Table 3A	Hs 83551	NM_017459	9665258	(MFAP2), transcript variant 1, mRNA	1	CCCCGTGGGCATGGACCACCTTTAT TTTATACAAAATTAAAAACAAGTT
3327	Table 3A	Hs.85100	NM_017491	9257256	/cds=(114,665) WD repeat domain 1 (WDR1),	1	ACTGTAAACTAATCTGTCATTGTTTTT ACCTTCCTTTTCTTTT
3328	Table 3A	Hs.139262	NM_017523	8923794	transcript variant 1, mRNA XIAP associated factor-1 (LICKIAPAEA), mRNA (ada=(0.053)	1	TACTTGCTGTGGTGGTCTTGTGAAAG GTGATGGGTTTTATTCGTTGGGCT
3329	Table 3A	Hs.119018	8 NM_017544	8923943	(HSXIAPAF1), mRNA /cds=(0,953) transcription factor NRF (NRF), mRNA	1	AAAGAATTAGTGTATGCTTCCTGAAT AAAAAGGAGCCAAAGTTGATCAGA
3330	Table 3A	Hs 306195	5 NM_017601	8922168	/cds=(653,1819) s over-expressed breast tumor protein (OBTP), mRNA /cds=(0,224)	1	AGGGGGTGATTTTTGCTCTTGTCCTG AGAAATAACAGTGCTGTTTTAAAA
3331	Table 3A	Hs 32922	NM_017632	8923039		1	AGCTTAAGGTTTTAAAAATGTTGCCC GTAATGTTGAACGTGTCTGTTAGA
3332	Table 3A	Hs.246875	5 NM_017644	8923060	· · · · · · · · · · · · · · · · · · ·	1	GGATGCACGTACAGAATACATTCAGC CGTCAGGTAATAACATGAAGCAGT
3333	Table 3A	Hs 7942	NM_017657	8923087		1	GGACAGTTTCTATTGCTTTTCCTTTTT TCCATCCCTTCCCT
3334	Table 3A	Hs 26369	NM_017746	8923268		1	AGACTTACATTACTGCTTTAACGTGTA TATCACTGGGCATCCCCAAGGGC

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3335	Table 3A	Hs 8928	NM_017748	8923270	hypothetical protein FLJ20291 (FLJ20291), mRNA /cds=(117,1394)	1	GTCAGGTTAGGTCAAAGCCAGGGAG TGACAGAATCTGGGAAATCAAACAA
3336	Table 3A	Hs.7862	NM_017761	8923294	hypothetical protein FLJ20312	1	CCTCTTGATGCCTAAGCAGGTAAGCA GATGCCTAAGCTGTATTTCTCCAA
3337	Table 3A	Hs 126721	NM_017762	8923296	(FLJ20312), mRNA /cds=(133,552) hypothetical protein FLJ20313	1	TGGATCTGTCAAACTAACACTTATGC CTTTAGTCTCATTGTATGAGGTGT
3338	Table 3A	Hs.306668	NM_017774	8923317		1	ACCTGCCATCATTGGTCTTTACTAAG TGAAGTGACTTCTTTCTTTAACAA
3339	Table 3A	Hs 105461	NM_017780	8923329	MAMMA1000257 /cds=UNKNOWN hypothetical protein FLJ20357	1	GCTGCCAACTGTAGTAATGATGCTTT TAATAAAAGTGACCCATGATATGC
3340	Table 3A	Hs 6631	NM_017792	8923351	(FLJ20357), mRNA /cds=(35,2083) hypothetical protein FLJ20373	1	ACTGTTGTCCCCCCACCCTTTTTTCC TTAAATAAAGTAAAAATGACACCC
3341	Table 3A	Hs.283685	NM_017801	8923369	(FLJ20373), mRNA /cds=(268,849) hypothetical protein FLJ20396	1	TGTGAATACTGTTGTAGCAGGATCTTG AGAGTCCTTGTTCTTACATAGGCA
3342	Table 3A	Hs.14220	NM_017827	8923420	(FLJ20396), mRNA /cds=(107,658) hypothetical protein FLJ20450 (FLJ20450), mRNA /cds=(27,1583)	1	AAGAGGCTTCCATCCCTCCTTC TTTCCTCCTACAGTGCTGAGCAAA
3343	Table 3A	Hs.132071	NM_017830	8923426	ovarian carcinoma immunoreactive antigen (OCIA), mRNA /cds=(167,904)	1	GTTGAATTGGGGTGGATGGGGGGAG CAAGCATAATTTTTAAGTGTGAAGC
3344	Table 3A	Hs.5811	NM_017835	8923436	chromosome 21 open reading frame 59 (C21ORF59), mRNA /cds=(360,776)	1	TCACCAGCTGATGACACTTCCAAAGA GATTAGCTCACCTTTCTCCTAGGC
3345	Table 3A	Hs.5080	NM_017840	8923447		1	CCCACTGAAGTCTTTGGGTAGCTCTT AAGCCATAACTAAGGAGCAGCATT
3346	Table 3A	Hs.39850	NM_017859	8923486	hypothetical protein FLJ20517 (FLJ20517), mRNA /cds=(44,1690)	1	AGTGACGAGGAGGAGTGGCCTACA CGGGTTAGCTGCCCAGTGAGCCATC
3347	Table 3A	Hs.44344	NM_017867	8923502	hypothetical protein FLJ20534 (FLJ20534), mRNA /cds=(20,1060)	1	AACAGAAGTCAAGAGAACATAGACCA ACTTGCTGCATGAGTAAGGTGGCT
3348	Table 3A	Hs.107213	NM_017892	8923548	hypothetical protein FLJ20585 (FLJ20585), mRNA /cds=(99,746)	1	TTTTCCCTGCTATTGAGGAAGTATTTT GCCTTCCCTACTCACTGAGAAGT
3349	Table 3A	Hs.55781	NM_017897	8923558		1	CGGAACCAGAATTTGATCTCAACTAT GTTCCACTAAAGGCACAGGAATGG
3350	Table 3A	Hs.18791	NM_017899	8923562	hypothetical protein FLJ20607 (FLJ20607), mRNA /cds=(48,698)	1	CGCACCTTGTGTCTTGTAGGGTATGG TATGTGGGACTTCGCTGTTTTTAT
3351	Table 3A	Hs.52184	NM_017903	8923570		1	AGCAGTTATATTGCCCCTTGGTTTTTA TTCAGTTTAACTACTGTTTCCAA
3352	Table 3A	Hs.49376	NM_017917	8923599	hypothetical protein FLJ20644 (FLJ20644), mRNA /cds=(276,1637)	1	AGCAAAATCCTCAGAAATGGTCTAAA TAAAACACTTGATATGCCTAGAGA
3353	Table 3A	Hs 234149	NM_017918	8923601		1	TGATTTTGCAACTTAGGATGTTTTTGA GTCCCATGGTTCATTTTGATTGT
3354	Table 3A	Hs.180201	NM_017924		hypothetical protein FLJ20671 (FLJ20671), mRNA /cds=(72,494)	1	TTACCTGGATTCCATTGGCTGGTTTT ACCACTCCTATCAGATTGTAGTGT
3355	Table 3A	Hs.48712	NM_017948	8923662	hypothetical protein FLJ20736 (FLJ20736), mRNA /cds=(130,1851)	1	CTCTTTGCCCTCTATCCTGAGTAACT AATGGACATCTTCTCATGCAAGGT
3356	Table 3A	Hs.279937	NM_014960	7662439	/cds=(458,2035)	1	GCCACAGAATGGTCACCCAGCTTATT TAGGTGTAGACAAGTATGACACAG
3357	Table 3A	Hs.280978	NM_018114	8922464	(FLJ10496), mRNA /cds=(13,429)	1	GCCACAGAGGCTCCAATACCTGGGA ATGTTCACAAAGTCATCAACTGGAA
3358	Table 3A	Hs.55024	NM_018053	8922341	(FLJ10307), mRNA /cds=(28,462)	1	AGAATGTGTGTGCCTGTGGGTCTCTA CAAGTGACAGATGTGTTGTTTTCA
	Table 3A	Hs.100895	_		hypothetical protein FLJ10462 (FLJ10462), mRNA /cds=(147,1694)	1	TCCAAATTGTTTCCTAACATTCTATTT TATGCCTTTGCGTATTAAACGTG GCCTCTACTGTGGCCTCAACCCTGG
3360	Table 3A	Hs.4997	NM_018107		hypothetical protein FLJ10482 (FLJ10482), mRNA /cds=(149,1369)	1	CAATTATAGCTACTCCCATCCCTTA AACTGAACACAATTTTGGGACAACGT
3361	Table 3A	Hs.236844	_		hypothetical protein FLJ10652 (FLJ10652), mRNA /cds=(50,1141) chromosome 19 open reading frame 5	1	TTAAACATTACTTTTCATACTTGA CTCAGCCCAGCCCGCCTGTCCCTAG
3362	Table 3A	Hs.66048	NM_018174	8922582 8922653	(C19orf5), mRNA /cds=(175,2193)	1	ATTCAGCCACATCAGAAATAAACTG ACTGTGCCATGGACATTTTTCCTCTG
3363		Hs.8083 Hs 59838	NM_018210 NM_018227	8922683	(FLJ10769), mRNA /cds=(14,1186)	1	GGGAATTAACATCTAAATTCTGGT ACAACGCTCTTAGAGAATCCGTGAAT
3364 3365		Hs.18851	NM_018253		(FLJ10808), mRNA /cds=(180,1559) hypothetical protein FLJ10875	1	GTGAACAGACAAATGTGGCTAACC TAGGAGAATAAGAGTCTGGAGACTG
3366		Hs.8739	NM_018255	892273	(FLJ10875), mRNA /cds=(100,2037)	1	GGAGCCTTCACTTCGGCCTCCGATT TGCTGAGTGGTTACACTTTGCAAGCT
3367		Hs 143954	_		(FLJ10879), mRNA /cds=(10,2490) 3 hypothetical protein FLJ10914	1	GTGGTGAAGATCACACTGTGAAGA CCCAGTGCTGATGGAGATGCCACTTT
3368		Hs.6118	NM_018285	892279	(FLJ10914), mRNA /cds=(71,685)	1	CGTGTGACTGCGAACATTAAAGCA TGTTCAGGATCTCCTCCCTTGTTTAA
3369		Hs 302981		892281	(MRPS4), mRNA /cds=(47,601)	1	ATGTCAATAAATGCCCCAACTGCT TTATTCATATATTCCTGTCCAAAGCCA
3370		Hs.30822	NM_018326	892287	(FLJ11000), mRNA /cds=(223,780)	1	CACTGAAAACAGAGGCAGAGACA AGGTCATCCACACACTTCTGCCCCCA
3371		Hs.105216	_	892288	(FLJ11110), mRNA /cds=(44,1033) hypothetical protein FLJ11125	1	CTGCATTGAATTTTTTGCTTATGT TTTTCGTTCTCCTCCTACCCCAGATC
					(FLJ11125), mRNA /cds=(203,712)		TCTACAAGGACATTGCCCCTAAGC

Table 8

3372	Table 3A	Hs 8033	NM_018346		hypothetical protein FLJ11164	1	GTGTTTGTAATTCTTCTTTGTCCTTTT
3373	Table 3A	Hs.184465	NM_018370		(FLJ11164), mRNA /cds=(56,1384) hypothetical protein FLJ11259	1	ACCTACAGAAATGGTCACATGGT AGGATGTTTGTAGTGCTATAATATAG
			_		(FLJ11259), mRNA /cds=(87,485)	1	AATGGGATTTACTCTGCTTTACCA AGCTAATTATCTCTTTGAGTCCTTGCT
3374	Table 3A	Hs 11260	NM_018371		hypothetical protein FLJ11264 (FLJ11264), mRNA /cds=(362,1189)	ı	TCTGTTTGCTCACAGTAAGCTCA
3375	Table 3A	Hs.26194	NM_018384		hypothetical protein FLJ11296 (FLJ11296), mRNA /cds=(303,1226)	1	TCCTACTTATTTAAGCTATTTGAGCTC CGGGTCTCTTCTACCTGCATTCT
3376	literature	Hs 266514	NM_018394		hypothetical protein FLJ11342	1	AGTGATTGCCACCTAAATCAGAAGAC
0077	T-61- 04	Hs 183656	NM_018399		(FLJ11342), mRNA /cds=(10,930) VNN3 protein (HSA238982), mRNA	1	GTTCTAAAGTCAGTAAGAAAGTGT CACGCTTAGGGCAGGGATCTGGGAA
3377	Table 3A	FIS 163030	14101_010099		/cds=(45,1550)		ATTCCAGTGATCTCCTTTAGCAGAG
3378	Table 3A	Hs.123090	NM_018450	8922086	BRG1-Associated Factor 250a (BAF250a) mRNA, complete cds	1	TTTCTAATCGAGGTGTGAAAAAGTTC TAGGTTCAGTTGAAGTTCTGATGA
3379	Table 3A	Hs.7731	NM_018453		uncharacterized bone marrow protein	1	TCATTCTGTTTTTGATGAACATTTGGA AACTGTCGGGCTTTTTATTAAAG
3380	Table 3A	Hs 6375	NM_018471	8923807	BM036 (BM036), mRNA /cds=(95,796) uncharacterized hypothalamus protein	1	CAATGCCCTGTGTTAAATTGTTTAAAA
			-		HT010 (HT010), mRNA brain expressed, X-linked 1 (BEX1),	1	GTTTCCCTTTTCTTTTTTGCCAA ACCTATTGCATGGAAAGATGCTCATT
3381	Table 3A	Hs 334370	NM_018476		mRNA /cds=(171,548)		ATAGTGAAGTTAATAAAGCACCTT
3382	Table 3A	Hs.274369	NM_018477	8923711	uncharacterized hypothalamus protein HARP11 (HARP11), mRNA	1	AGAGGACTATAGTGGAAGTGAAAGCA TTCTGTGTTTACTCTTTGCATTAA
3383	db mining	Hs.10669	NM_018482	8923867	mRNA for KIAA1249 protein, partial	1	TGAATTGCACTGTGAAAAGCACTCTT
3384	Table 3A	Hs.102652	NM_018489	8922080	cds /cds=(0,2850) hypothetical protein ASH1 (ASH1),	1	CCCTCTCAGTTTTCGTTCATCCTG CCATGGGGTCAGAAGGGCACGGTAG
0004			_		mRNA /cds=(309,9218)	4	TTCTTGCAATTATTTTTGTTTTACC AATGTGGGAAGGATTTATTTACAGTG
3385	Table 3A	Hs.160271	NM_018490	8923700	G protein-coupled receptor 48 (GPR48), mRNA /cds=(444,3299)	1	TGTTGTAATTTTGTAAGGCCAACT
3386	Table 3A	Hs.7535	NM_018491	13236498	COBW-like protein (LOC55871),	1	AGCTACTGTGACAGAAACAGAAAAGC AGTGGACAACACGTTTCCAAGAAG
3387	Table 3A	Hs.104741	NM_018492	8923876	mRNA /cds=(64,1251) PDZ-binding kinase; T-cell originated	1	TGCTCATGCTGACTTAAAACACTAGC
			_		protein kinase (TOPK), mRNA /cds=(154,1122)		AGTAAAACGCTGTAAACTGTAACA
3388	Table 3A	Hs.283330	NM_018507	8924082	hypothetical protein PRO1843	1	TCCAATGCAGTCCCATTCTTTATGGC
3389	Table 3A	Hs.186874	NM_018519	8924144	(PRO1843), mRNA /cds=(964,1254) hypothetical protein PRO2266	1	CTATAGTCTCACTCCCAACTACCC GGTGTCTGACTTAATGACTCCTGCTG
			_		(PRO2266), mRNA /cds=(258,626)	4	AAGTTGAATTGTGAGATGTTATCC CATTTGTCTGGAAATGCTGCCGGGAG
3390	Table 3A	Hs.343477	AF119911	7770258	PRO2975 mRNA, complete cds /cds=UNKNOWN	1	CCTATTGTGTAAATGTAGGTATTT
3391	Table 3A	Hs.147644	NM_018555	10092612	zinc finger protein 331; zinc finger protein 463 (ZNF361), mRNA	1	GCGGGAAGGCATGTAACCACCTAAA CCATCTCCGAGAACATCAGAGGATC
3392	Table 3A	Hs 300496	NM_018579	8924027	mitochondria solute carrier protein	1	CAGGTCAACCCCCACCGGACCTACA
					(MSCP) mRNA, complete cds, alternatively spliced /cds=(44,511)		ACCCGCAGTCCCACATCATCTCAGG
3393	Table 3A	Hs.300496	NM_018579	8924027	mitochondria solute carrier protein	1	CAGGTCAACCCCCACCGGACCTACA ACCCGCAGTCCCACATCATCTCAGG
					(MSCP) mRNA, complete cds, alternatively spliced /cds=(44,511)		ACCCGCAGTCCCACATCATCTCAGG
3394	Table 3A	Hs.52891	NM_018607	13699864	hypothetical protein PRO1853	1	TTTAGGGTTGTGACTGGCTTTGGTGC AAATGTGTGCTCAAGCTAATAAGT
3395	Table 3A	Hs.103657	NM_018623	8924137	(PRO1853), mRNA /cds=(472,771) PRO2219 mRNA, complete cds	1	ACTTGTGTTTTGTTTGGGGGCTGGGA
2206	Toble 24	Uc 2/1576	NM_018630	8024181	/cds=(823,1056) hypothetical protein PRO2577	1	AATGTATTTTTACATTGTAGCCAA AACATTGTGCTCTAACAGTATGACTA
3390	Table 3A				(PRO2577), mRNA /cds=(491,664)		TTCTTTCCCCCACTCTTAAACAGT CCAAGGGAGGAGGAGGTAAAA
3397	Table 3A	Hs 283022	NM_018643	8924261	triggering receptor expressed on myeloid cells 1 (TREM1), mRNA	1	GGCAGGGAGGTAATAACATGAATTA
		11- 44047	NINA 040040	0000044	/cds=(47,751) nucleolar protein family A, member 3	1	TACTCTTTGGCATCCAGTCTCTCGTG
3398	Table 3A	Hs 14317	NM_018648	8923941	(H/ACA small nucleolar RNPs)	•	GCGATTGATTATGCTTGTGTGAGG
2000	Table 24	Hs.195292	NM 019666	8924241	(NOLA3), mRNA /cds=(97,291) putative tumor antigen (SAGE), mRNA	1	CCTTCCAGAAGCTACGAAAAAGGGA
3399	Table 3A	HS. 190292	NM_018666		/cds=(167,2881)		GCTGTTTAAATTTAATAAATCTCTG
3400	Table 3A	Hs.8117	NM_018695	8923908	erbb2-interacting protein ERBIN (ERBB2IP), mRNA /cds=(323,4438)	1	AAGTGCCATAGAAGACCAATAACTGT TTAGTTGAGGCTAGTCTGGAACCT
3401	Table 3A	Hs.78825	NM_018834	10047081	matrin 3 (MATR3), mRNA	1	TGGATTCAAGTTACTGAAGTGAATAC CAATAAAAAGAAAACCCTAGGCCA
3402	Table 3A	Hs.44163	NM_018838	10092656	/cds=(254,2800) 13kDa differentiation-associated	1	AGGAGTGGATCCCACCTTCAACACCT
		Hs.183842	NM_018955	11024713	protein (LOC55967), mRNA ubiquitin B (UBB), mRNA	1	TACAAGTAAAGACAATGAAGAACA CAGTAATAGCTGAACCTGTTCAAAAT
3403	Table 3A		_		/cds=(94,783)		GTTAATAAAGGTTTCGTTGCATGG
3404	db mining	Hs.44234	NM_018965	9507202	triggering receptor expressed on myeloid cells 2 (TREM2), mRNA	1	AGGGAGTGGGGAGGTGGTAAGAACA CCTGACAACTTCTGAATATTGGACA
3405	Table 3A	Hs.274428	NM_018975	9507032	TRF2-interacting telomeric RAP1	1	AAAATTAGTGGATTGACTCCACTTTG TTGTGTTGTTTTCATTGTTGAAAA
3406	Table 3A	Hs.61053	NM_018986	9506676	protein (RAP1), mRNA /cds=(138,1034) hypothetical protein (FLJ20356),	1	AATGGAGGCACGAACGCAGGGCCA
	•		_		mRNA /cds=(91,3285)		AATAGCAATAAATGGGTTTTGTTTT

3407	Table 3A	Hs 80618	NM_018996	9506648	hypothetical protein (FLJ20015),	1	TGTTTTGATTGTTTTGCAAGGAAGAA
3408	Table 3A	Hs 83954	NM 019006	9506852	mRNA /cds=(31,522) protein associated with PRK1 (AWP1),	1	AGACAATGGAATAACATACCTTCA TCATTGCTGTCTACAGGTTTCTTTCA
			_		mRNA /cds=(244,804)	4	GATTATGTTCATGGGTTTGTGTGT GAAAACAGACCTTGTGCTGAGGACAC
3409	Table 3A	Hs 98324	NM_019044	9506632	hypothetical protein (FLJ10996), mRNA /cds=(135,857)	1	GTCAATAAAAATTATACCTTCCCC
3410	db mining	Hs 110746	NM_019052	9506772	HCR (a-helix coıled-coıl rod homologue) (HCR), mRNA	1	GGGATACCAGCTGAGTCTGAATTCTG CTCTAAATAAAGACGACTACAGAG
3411	Table 3A	Hs 274248	NM_019059	9506858	hypothetical protein FLJ20758	1	TGGCTCGGATAAGAGATGGGACATC
3412	Table 3A	Hs.124835	NM_019062	9506662	(FLJ20758), mRNA /cds=(464,1306) hypothetical protein (FLJ20225),	1	ATTCAGTCACTAGTTGGATGGCACA AACTTGATGAAAGTATTGCAGTATTG
			_		mRNA /cds=(177,860)	4	ATGCCATTGTAGAATAGAACTGGA TTTGTGTGTTGGGACCAAACAGTTGT
3413	Table 3A	Hs.30909	NM_019081	11464998	KIAA0430 gene product (KIAA0430), mRNA /cds=(0,3599)	1	CAATAAACTTTACAAGCGAGCATC
3414	Table 3A	Hs.76807	NM_019111	9506780	major histocompatibility complex, class II, DR alpha (HLA-DRA), mRNA	1	CATGGGGCTCTCTTGTGTACTTATTG TTTAAGGTTTCCTCAAACTGTGAT
3415	Table 3A	Hs 25951	NM_019555	9506400	Rho guanine nucleotide exchange	1	AGGTGGTCAATGAATGTTTTGATGAA
					factor (GEF) 3 (ARHGEF3), mRNA /cds=(127,1707)		ATGAATGTTTTTGTATAATGGCCT
3416	Table 3A	Hs.278857	NM_019597	14141155	heterogeneous nuclear ribonucleoprotein H2 (H') (HNRPH2),	1	ACGGGACAATTTTAAGATGTAATACC AATACTTTAGAAGTTTGGTCGTGT
3417	Table 3A	Hs.159523	NM_019604	9624976	class-I MHC-restricted T cell	1	ACAGCAAACTTTGGCATTTATGTGGA
3418	Table 3A	Hs.159523	NM 019604	9624976	associated molecule (CRTAM), mRNA class-I MHC-restricted T cell	1	GCATTTCTCATTGTTGGAATCTGA ACAGCAAACTTTGGCATTTATGTGGA
			_	0700170	associated molecule (CRTAM), mRNA	1	GCATTTCTCATTGTTGGAATCTGA ACTTTTATGTAAAAAAGTGCACCTTTA
3419	Table 3A	Hs.324743	NM_019853	9790172	protein phosphatase 4 regulatory subunit 2 (PPP4R2), mRNA		GTTTTACAAGTAAAGCAGGTTGT
3420	Table 3A	NA	NM_019997	9910435	Mus musculus cDNA sequence AB041581 (AB041581), mRNA.	1	TCTTAATAATAATGAAGACGACTTACC CTGTGGAATTGAACACACTGGTG
3421	Table 3A	Hs.5392	NM_020122	10047127	potassium channel modulatory factor	1	GCTGCTGTGTGTATTTATGAATATTAA TGAATAAAAACTGCTTGGATGGT
3422	Table 3A	Hs.8203	NM_020123	10047129	(DKFZP434L1021), mRNA endomembrane protein emp70	1	ACCGTGTAAAGTGGGGATGGGGTAA
3423	Table 3A	Hs.236828	NM_020135	9910349	precursor isolog (LOC56889), mRNA putative helicase RUVBL (LOC56897),	1	AAGTGGTTAACGTACTGTTGGATCA TAAATTTATTTATTTATGAAAAAACCT
	·=		_		mRNA /cds=(238,1575)		CGTGCCGAATTCTTGGCCTCGAG
3424	Table 3A	Hs.110796	NM_020150	9910541	GTP-binding protein SAR1 (SAR1) mRNA, complete cds /cds=(124,720)	1	GGGTTTCCGCTGGCTCTCCCAGTATA TTGACTGATGTTTGGACGGTGAAA
3425	Table 3A	Hs.334775	NM_020151	9910251	Homo sapiens, Similar to RIKEN cDNA 1200014H14 gene, clone	1	GTACAGTTACTCATGTCATTGTAATG ATTTCACTCCTAACTGTGACATTT
					IMAGE:3139657, mRNA, partial cds		
3426	literature	Hs.21320	NM_020165	14550404	postreplication repair protein hRAD18p (RAD18), mRNA /cds=(77,1564)	1	ACTGAGTTGTCAGAAATTATGTCAAA ATGAAAACTGTTTGTTTCATGACA
3427	Table 3A	Hs 6879	NM_020188	9910183		1	ACCTGACTTCACCATGTTTATTCCCTT TGCCTACAACCAGTTAATATCTG
3428	Table 3A	Hs.7045	NM_020194	9910247	GL004 protein (GL004), mRNA	1	TCATGCGTGAACAATTTAAAAAACGA
3429	literature	Hs.9822	NM_020196	9910259	/cds=(72,728) HCNP protein; XPA-binding protein 2	1	CAGAATAAGGTACAAATGTAGTGT CCCATCCCCCTCCCCACCCCCATC
			-	9910199	(HCNP),	1	CCCAATACAGCTACGTTTGTACATC CCAACAAAATTGGGATCATCCAAACT
3430	Table 3A	Hs.283611	NM_020217		(DKFZp547l014), mRNA		GAGTCCATCTGGCTAATTCTAAAT
3431	Table 3A	Hs.79457	NM_017860	8923488	hypothetical protein FLJ20519 (FLJ20519), mRNA /cds=(74,604)	1	TGACTGGAACTGAGAGTAAATTGGGA ATGTATGACCAATCTTAGACCCTG
3432	Table 3A	Hs.4859	NM_020307	9945319		1	TGTTTAAATGATGGTGAATACTTTCTT AACACTGGTTTGTCTGCATGTGT
3433	Table 3A	Hs 283728	NM_020357	9966826	PEST-containing nuclear protein	1	ACCTAAGGTCAAGCTGGGAGAGAGA
3434	Table 3A	Hs 322901	NM_020368	9966798	(pcnp), mRNA /cds=(18,554) disrupter of silencing 10 (SAS10),	1	AATGACTGAGATGAATGTCTTTACT GCTTAGGGAAATTTCACAGTTCATTG
3435	Table 3A	Hs 111988	NM_020382	9966854	mRNA /cds=(161,1600) PR/SET domain containing protein 07	1	TGGAGTGTTAAACTTAGAACATGT TGTTACAGGTTTCCAAGGTGGACTTG
			_		(SET07), mRNA /cds=(150,1331)	1	AACAGATGGCCTTATATTACCAAA TGTTACTGCTTTGCCAGTTCTACGTT
3436	Table 3A	Hs.12450	NM_020403	14589940	/cds=(118,3729)		ATTTACAATTATTCAGCTCTTGCA
3437	Table 3A	Hs.286233	NM_020414	14251213	sperm autoantigenic protein 17 (SPA17), mRNA /cds=(1210,1665)	1	TTTCTGTATTGCAGTGTTTATAGGCTT CTTGTGTGTTAAACTTGATTTCA
3438	Table 3A	Hs.287369	NM_020525	10092624	interleukin 22 (IL22), mRNA /cds=(71,610)	1	AACTAACCCCCTTTCCCTGCTAGAAA TAACAATTAGATGCCCCAAAGCGA
3439	Table 3A	Hs.81328	NM_020529	10092618	nuclear factor of kappa light	1	GTTTGTGTTACCCTCCTGTAAATGGT
					polypeptide gene enhancer in B-cells inhibitor, alpha (NFKBIA), mRNA		GTACATAATGTATTGTTGGTAATT
3440	Table 3A	Hs.78888	NM_020548	10140852		1	GCTCACCATACGGCTCTAACAGATTA GGGGCTAAAACGATTACTGACTTT
					binding protein) (DBI), mRNA		
3441	literature	Hs 247302	NM_020648	10190663	twisted gastrulation (TSG), mRNA /cds=(13,684)	1	CGGCTGATGGGACAGGAATTGAAGA AGAGAATTGACTCGTATGAACAGGA
3442	literature	Hs 149342	NM_020661	10190699	activation-induced cytidine deaminase (AICDA), mRNA /cds=(76,672)	1	TGGTGCTACGAAGCCATTTCTCTTGA TTTTTAGTAAACTTTTATGACAGC
					, ,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

3443	Table 3A	Hs 295231	NM_020666		CLK4 mRNA, complete cds /cds=(153,1514)	1	TGAGAAACTGTTTGACCTGGTTCGAA GAATGTTAGAATATGATCCAACTC
3444	Table 3A	Hs 105052	NM_020979		adaptor protein with pleckstrin homology and src homology 2 domains	1	GGTGGGACACGCCAAGCTCTTCAGT GAAGACACGATGTTATTAAAAGCCT
3445	Table 3A	Hs 104624	NM_020980	11038652	(APS), mRNA /cds=(127,2025) aquaporin 9 (AQP9), mRNA /cds=(286,1173)	1	TGCTTTGAAGCTACCTGGATATTTCC TATTTGAAATAAAATTGTTCGGTC
3446	Table 3A	Hs 211563	NM_020993	10337612	B-cell CLL/lymphoma 7A (BCL7A), mRNA /cds=(953,1648)	1	ATCGCCAAGAACCTGGTTAGAGGCAT AAAGACCTTTTTTCACCGTTACCT
3447	Table 3A	Hs.6574	NM_021008	10337616	suppressin (nuclear deformed epidermal autoregulatory factor-1	1	TGCTGCGACGCACATACATACGTGTT GTGTCTGTCAATAAAGTGTAAATA
3448	Table 3A	Hs 178391	NM_021029	10445222	(DEAF-1)-related) (SPN), mRNA ribosomal protein L44 (RPL44), mRNA /cds=(37,357)	1	TGGGAGGAGATAAGAAGAGAAAGGG CCAAGTGATCCAGTTCTAAGTGTCA
3449	Table 3A	Hs.28578	NM_021038	10518339	muscleblind (Drosophila)-like (MBNL), mRNA /cds=(1414,2526)	1	TGCAGTAGTTGACTTTGCTGTATGGA AAAATAAAGTGAAATTGCCCTAAT
3450	literature	Hs.51011	NM_021064	10800131	H2A histone family, member P (H2AFP), mRNA /cds=(30,422)	1	GCTAAATAAGGAATACTCATGCCAAG ATCATCGAATTGTGCCTCCCT
3451	Table 3A	Hs.51299	NM_021074	10835024	NADH dehydrogenase (ubiquinone) flavoprotein 2 (24kD) (NDUFV2), mRNA /cds=(18,767)	1	ACCCAAGGGACCTGGATTTGGTGTAC AAGCAGGCCTTTAATTTATATTGA
3452	Table 3A	Hs.63302	NM_021090	10835108	myotubularin related protein 3 (MTMR3)	1	GGAGTCAGTCAGTGCTCCTATATTTT TCATTTTTTGTCAAAGCAAGAAGT
3453	Table 3A	Hs.324406	NM_021104	10863874	ribosomal protein L41 (RPL41), mRNA /cds=(83,160)	1	TTTGTGGCCGAGTGTAACAACCATAT AATAAATCACCTCTTCCGCTGTTT
3454	Table 3A	Hs 198282	NM_021105	10863876	phospholipid scramblase 1 (PLSCR1), mRNA /cds=(256,1212)	1	TTCTACATGAAATGTTTAGCTCTTACA CTCTATCCTTCCTAGAAAATGGT
3455	Table 3A	Hs.75968	NM_021109	11056060	thymosin, beta 4, X chromosome (TMSB4X), mRNA /cds=(77,211)	1	GGACGACAGTGAAATCTAGAGTAAAA CCAAGCTGGCCCAAGTGTCCTGCA
3456	Table 3A	Hs.154890	NM_021122	12669906	fatty-acid-Coenzyme A ligase, long- chain 2 (FACL2), mRNA /cds=(13,2109)	1	TGTTTTGGGGTCTGTGAGAGTACATG TATTATATACAAGCACAACAGGGC
3457	Table 3A	Hs.96	NM_021127	10863922	phorbol-12-myristate-13-acetate- induced protein 1 (PMAIP1), mRNA	1	AGGAACAGTTAGTTCTCATCTAGAAT GAAAGTTCCATATATGCATTGGTG
3458	Table 3A	Hs.71618	NM_021128	14589956	polymerase (RNA) II (DNA directed) polypeptide L (7.6kD) (POLR2L), mRNA	1	TGTGTGTGTATCCCATACCCCACTCT GGAAGGAACCATCCAGTAAAGGTC
3459	Table 3A	Hs.184011	NM_021129	11056043	/cds=(21,224) pyrophosphatase (inorganic) (PP), nuclear gene encoding mitochondrial	1	GTGCAAGGGGAGCACATATTGGATG TATATGTTACCATATGTTAGGAAAT
3460	Table 3A	Hs.267690	NM_021130	10863926	protein, mRNA /cds=(77,946) mRNA for KIAA1228 protein, partial cds /cds=(0,2176)	1	TTTCCTTGTTCCCTCCCATGCCTAGC TGGATTGCAGAGTTAAGTTTATGA
3461	literature	Hs.84981	NM_021141	12408650	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining; Ku	1	ACCCAGTCACCTCTGTCTTCAGCACC CTCATAAGTCGTCACTAATACACA
3462	Table 3A	Hs 12743	NM_021151	10863952	autoantigen, 80kD) (XRCC5), mRNA carnitine O-octanoyltransferase	1	TGAATCACATTGTCAGAATTTTTTCCT CCTCGCTGTTCAATTTTGTAGTT
3463	Table 3A	Hs.7137	NM_021188	10863994		1	AGATGCCTTGTTGCTTTGAAGAAGGG
3464	Table 3A	Hs.8185	NM_021199	10864010	, , , ,	1	AGTGATGTCAATTCTCTTGTTACA CCATGTGGGCTACTCATGATGGGCTT
3465	Table 3A	Hs.12152	NM_021203	14917112	like (yeast) (CGI-44), mRNA APMCF1 protein (APMCF1), mRNA	1	GATTCTTTGGGAATAATAAAATGA AAAAGTTCTCTGTAGATTTCTGAAGT
3466	Table 3A	Hs.25726	NM_021211	10864022	/cds=(16,831) transposon-derived Buster1	1	GCATATTCATTGATGCCAAGAAAA GGAGGAGTTTGCATGTCTCATGATAA
2467	Table 34	He 20/17	NM_021212	10864024	transposase-like protein (LOC58486), mRNA /cds=(468,2549) HCF-binding transcription factor	1	CCAAATGTAAGATGAAAATAAAAG TTGGTGACTTAGTGATTTTTGTCATTTT
3467		Hs.29417	_		Zhangfei (ZF), mRNA /cds=(457,1275)	1	TTACATCAACTTCATGGTCTTGT CGCCCGGCAGCCCCCATCCATCTGT
3468	literature	Hs.274363	NM_021257		neuroglobin (NGB), mRNA /cds=(0,455)		GCATCGCCAACGCCTGCCTCGTGC
3469	Table 3A	Hs.19520	NM_021603	11125763	FXYD domain-containing ion transport regulator 2 (FXYD2), transcript variant b, mRNA /cds=(67,261)	1	CACCTCATGCTTATAATAAAGCCGG
3470	Table 3A	Hs.104305	NM_021621	14719827	death effector filament-forming Ced-4- like apoptosis protein (DEFCAP), transcript variant B, mRNA	1	CTGGCTGTGTCACAGGGTGAGCCCC AAAATTGGGGTTCAGCGTGGGAGGC
3471	Table 3A	Hs.17757	NM_021622	11055985	•	1	GCCGTCCTCAGTTACCTTTCATGAGG CTTCTAGCCAAAGATGATAAAGGG
3472	Table 3A	Hs 106747	NM_021626	11055991		1	AGGATAAAATCATTGTCTCTGGAGGC AATTTGGAAATTATTTCTGCTTCT
3473	Table 3A	Hs 3826	NM_021633	11056005	• • •	1	CGGGTGATTACAGGCACCAGTGCAG TGATGATTGTACTTATTTGACACAT

3474	Table 3A	Hs 155418	NM_021643	11056053	GS3955 protein (GS3955), mRNA	1	GCCTCTGGTGCTTTGTCCTGTATTTG GTTTAATGTTTTTTGTCCTAATCTC
3475	Table 3A	Hs 279681	NM_021644	14141158	/cds=(1225,2256) heterogeneous nuclear ribonucleoprotein H3 (2H9) (HNRPH3),	1	TTGATGTGAATTCAGTTATTGAACTTG TTACTTGTTTTTTGCCAGAAATGT
3476	Table 3A	Hs 174030	NM_021777	11496993	ranscript variant 2H9, mRNA a disintegrin and metalloproteinase domain 28 (ADAM28), transcript variant	1	AAGCTTCGAACTCAAAATCATGGAAA GGTTTTAAGATTTGAGGTTGGTTT
3477	Table 3A	Hs 288906	NM_021818	11141888	1, mRNA /cds=(47,2374) WW Domain-Containing Gene	1	CCCAGTTAGATATCAGTGAGTTTGAA TAACTGAAGAAATGTTGACAATGT
3478	Table 3A	Hs 10724	NM_021821	11141894	(WW45), mRNA /cds=(215,1366) MDS023 protein (MDS023), mRNA /cds=(335,1018)	1	AAGTACACCTGTCAGCTGTTTCTTAC CACTTCGATGGTTGTGATTAATTT
3479	Table 3A	Hs 154938	NM_021825	11141900	hypothetical protein MDS025 (MDS025), mRNA /cds=(5,769)	1	TGTTTGCTTGAACAGTTGTGTAAATC ATACAGGATTTTGTGGGTATTGGT
3480	literature	Hs.302003	NM_021922	11345453	Fanconi anemia, complementation group E (FANCE), mRNA	1	TGACCTTCTGTGTTTTTTGTTTCTGACT TGAATAATTTATCAATGGTGTTG
3481	Table 3A	Hs.7174	NM_021931	11345467	hypothetical protein FLJ22759 (FLJ22759), mRNA /cds=(2,2113)	1	CCAGGGCTGCTTTGCTGTGATGATGATTGCATTTCAACACACATGCCAGATG
3482	Table 3A	Hs.89751	NM_021950	11386186	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta	1	GAGTTACCACACCCCATGAGGGAAG CTCTAAATAGCCAACACCCATCTGT
3483	Table 3A	Hs.2484	NM_021966	11415027	polypeptide) (MS4A2), mRNA T-cell leukemia/lymphoma 1A (TCL1A), mRNA /cds=(45.389)	1	TTCTATCCTTGACTTAGATTCTGGTG GAGAGAAGTGAGAATAGGCAGCCC
3484	Table 3A	Hs 75569	NM_021975	11496238	v-rel avian reticuloendotheliosis viral oncogene homolog A (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 (p65)) (RELA), mRNA	1	TCTTGCTCTTTCTACTCTGAACTAATA AAGCTGTTGCCAAGCTGGACGGC
3485	literature	Hs.245342	NM_021979	13676856	/cds=(38,1651) hypothetical protein FLJ14642 (FLJ14642), mRNA /cds=(23,583)	1	TGCAAACAAATGCATAAATGCAAATG TAAAGTAAAGCTGAAATTGATCTC
3486	Table 3A	Hs.326801	NM_021998	11527399	DNA sequence from PAC 75N13 on chromosome Xq21.1. Contains ZNF6 like gene, ESTs, STSs and CpG islands	1	ATGCTACTTGGGAGAAAACTCTCACT AACTGTCTCACCGGGTTTCAAAGC
3487	Table 3A	Hs.293970	NM_021999	11527401	/cds=(567,2882) methylmalonate-semialdehyde dehydrogenase (ALDH6A1), mRNA /cds=(42,1649)	1	TGCAATGGAATATAAATATCACAAAG TTGTTTAACTAGACTGCGTGTTGT
3488	Table 3A	Hs 82407	NM_022059	11545764	CXC chemokine ligand 16 (CXCL16), mRNA /cds=(423,1244)	1	TTTCACCTCCTCAGTCCCTTGCCTAC CCCAGTGAGAGTCTGATCTTGTTT
3489	Table 3A	Hs.136164	NM_022117	11545834	cutaneous T-cell lymphoma-associated tumor antigen se20-4 (SE20-4), mRNA /cds=(129,2210)	1	CGCCTCTCCCCGTGGACCCTGTTAAT CCCAATAAAATTCTGAGCAAGTTC
3490	Table 3A	Hs.24633	NM_022136	11545870		1	AGGATTCGCTGTTGAAACAAGTTGTC CAAGCAATGTTATATTCATTTTTA
3491	Table 3A	Hs.184052	NM_022152	11545897		1	GGAAGGGGACAAGGGTCAGTCTGT CGGGTGGGGGCAGAAATCAAATC
3492	Table 3A	Hs.184052	NM_022152	11545897	PP1201 protein (PP1201), mRNA /cds=(75,1010)	1	GGAAGGGGGACAAGGGTCAGTCTGT CGGGTGGGGGCAGAAATCAAATC
3493	literature	Hs.294030	NM_022447	13937360	topoisomerase-related function protein 4-2 (TRF4-2), mRNA /cds=(336,869)	1	TTTTTCCCAGCTCGCCACAGAATGGA TCATGAAGACTGACAACTGCAAAA
3494	Table 3A	Hs 74899	NM_022451	11967984	hypothetical protein FLJ12820 (FLJ12820), mRNA /cds=(156,1451)	1	AGGAGTGGCCTAAGAAATGCGTGTTT CAGTGACTAGATTATAAATATTCT
3495	Table 3A	Hs.15220	NM_022473	11968022	zinc finger protein 106 (ZFP106), mRNA /cds=(335,5986)	1	AGCTGTGAACTTCGTAACTTTGTAAA GCAAGATATAAAGCAAATACAAGA
3496	Table 3A	Hs 27556	NM_022485	11968038	• • •	1	AGGAGGATCACCTGCACTGAGAAT GAGGCAGTTTGACACAGATCACAAA
3497	Table 3A	Hs.26367	NM_022488	11968042	PC3-96 protein (PC3-96), mRNA /cds=(119,586)	1	TGTTCCACTACCAGCCTTACTTGTTTA ATAAAAATCAGTGCAAAGAGAAA
3498	Table 3A	Hs.22353	NM_022494	11968052	• •	1	ACCTCAGATTTTGTTACCTGTCTTTTA AAAATGCAGATTTTGTCAAATCA
3499	Table 3A	Hs 23259	NM_022496	11968056		1	TTAACGGCTTCACTGGACAGTTTTCC TTAGAAGGTAGTTTTGTGTGACTG
3500	Table 3A	Hs 275865	NM_022551	14165467	· · · · · · · · · · · · · · · · · · ·	1	ACCGTGGGTGTGTCCAAGAAGAAATA AGTCTGTAGGCCTTGTCTGTTAAT
3501	Table 3A	Hs 161786	NM_022570	13384603	C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 12 (CLECSF12),	1	CCAATGGATATTTCTGTATTACTAGG GAGGCATTTACAGTCCTCTAATGT
3502	literature	Hs 65328	NM_022725	12232376	• •	1	TAGCTTTAGAAAATAACAGTTTGTGAA
3503	Table 3A	Hs.63609	NM_022727	12232380	group F (FANCF), mRNA Hpall tiny fragments locus 9C (HTF9C), mRNA /cds=(235,1662)	1	CTTACTTCCCTATATTTGCAGCT CTTTGTGGACTAGCCAAGGCTGTGAG GGCCAGAATAAACAACTGCTCAAC

Table 8

	T 04	11- 7500	NA 000706	12232392	hypothetical protein FLJ14153	1	GCCGAGCAATGACCCTTTTCAATTTC
3504	Table 3A	Hs 7503	NM_022736	12232392	(FLJ14153), mRNA /cds=(30,1427)	'	TTATTTCTGTGTTACTGAGGACCC
3505	Table 3A	Hs.194477	NM_022739	12232396	E3 ubiquitin ligase SMURF2	1	GAAACATGTGGATTTGCTGTGGAATG
0000	Table of	110.101111			(SMURF2), mRNA /cds=(8,2254)		ACAAGCTTCAAGGATTTACCCAGG
3506	Table 3A	Hs 34516	NM_022766	12232440	mRNA for KIAA1646 protein, partial	1	TTTGATCTGAAATGTTTGAGAAGACA
			-		cds /cds=(0,1446)		CGAATAAAGTTACTTGGGCAGAAA
3507	Table 3A	Hs 154057	NM_022790	13027789	matrix metalloproteinase 19 (MMP19),	1	TCCCATCAAAAGGTATCAAATGCCT
					transcript variant rasi-3, mRNA		TGGAAGCTCCCTGATCCTACAAAA
0500	T-51- 05	Un 404040	NIM 022010	13699866	/cds=(1642,1899) microtubule-associated proteins 1A/1B	1	ATCTGACATTATTGTAACTACCGTGT
3508	Table 3A	Hs.121849	NM_022818	12099000	light chain 3 (MAP1A/1BLC3), mRNA	•	GATCAGTAAGATTCCTGTAAGAAA
					/cds=(84,461)		
3509	Table 3A	Hs.146123	NM 022894	12597628	hypothetical protein FLJ12972	1	ACCTTGTACCATGGAAAACATGAAAA
			_		(FLJ12972), mRNA /cds=(168,1076)		GAGTCTTAGAAGTAAAGAACAACA
3510	Table 3A	Hs.57987	NM_022898	12597634	B-cell lymphoma/leukaemia 11B	1	AGCATGTGTCTGCCATTTCATTTGTA
					(BCL11B), mRNA /cds=(267,2738)	4	CGCTTGTTCAAAACCAAGTTTGTT TGAGCTGTATTACCATAAGTAGAATTT
3511	Table 3A	Hs.128003	NM_022900	12597638	hypothetical protein FLJ21213 (FLJ21213), mRNA /cds=(74,1042)	1	TAAGTAAACTGGTGAATTTGGGC
2512	Table 3A	Hs.194688	NM 023005	14670389	bromodomain adjacent to zinc finger	1	GCCCCATTAAAGGGTGAACTTGTAAT
3312	Table SA	HS. 194000	NN_023003	14070000	domain, 1B (BAZ1B), transcript variant	•	AAATTGGAATTTCAAATAAACCTC
					1, mRNA /cds=(352,4803)		
3513	Table 3A	Hs.168232	NM_023079	12751494	hypothetical protein FLJ13855	1	TGCCCTAATCTTGAGTTGAGGAAATA
					(FLJ13855), mRNA /cds=(314,1054)	_	TATGCACAGGAGTCAAAGAGATGT
3514	db mining	Hs.37026	NM_024013	13128949	interferon, alpha 1 (IFNA1), mRNA	1	AACGTCATGTGCACCTTTACACTGTG GTTAGTGTAATAAAACATGTTCCT
		11. 000004	NIN 004000	0000040	/cds=(67,636)	1	TTATTCATATATTCCTGTCCAAAGCCA
3515	Table 3A	Hs 302981	NM_024033	8922813	hypothetical protein FLJ11000 (FLJ11000), mRNA /cds=(223,780)	•	CACTGAAAACAGAGGCAGAGACA
3516	Table 3A	Hs.115960	NM 024036	13128987	hypothetical protein MGC3103	1	GCAGCCACCCACTGGGAGTCTTGTTT
3310	Table OA	113.110000	/102 .000	1012000	(MGC3103), mRNA /cds=(10,984)		TTATTTATAATAAAATTGTTGGGG
3517	Table 3A	Hs.7392	NM_024045	13129005	nucleolar protein GU2 (GU2), mRNA	1	ATCCACCAAAAATTAGGTCATCATAG
					/cds=(107,2320)		TTGAGGTATGTGTCTGCTATTTGC
3518	Table 3A	Hs.103834	NM_024056	13129025	hypothetical protein MGC5576	1	CCATTGGCTGGAACATGGATTGGGG ATTTGATAGAAAAATAAACCCTGCT
	T-11-04	H- 445050	NIM 004004	42420025	(MGC5576), mRNA /cds=(51,803)	1	GTTCCTTACTCTGTCCTTGATGGAGG
3519	Table 3A	Hs 115659	NM_024061	13129035	hypothetical protein MGC5521 (MGC5521), mRNA /cds=(163,708)	•	GGAGAAGGAGGGCAAAGAAGTTA
3520	Table 3A	Hs 267400	NM_024095	13129097	hypothetical protein MGC5540	1	TGGTTTTCCTTTGGGGACGTGGTTAA
0020	rable or t	110 201 100		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(MGC5540), mRNA /cds=(77,943)		CGGTCCAGAAGAATCCCTTCTAGA
3521	Table 3A	Hs.321130	NM_024101	13129107		1	ACCCCTTTCACTCTTGGCTTTCTTATG
					(MGC2771), mRNA /cds=(184,1986)		TTGCTTTCATGAATGGAATGGAA
3522	Table 3A	Hs.109701	NM_024292	13236509	ubiquitin-like 5 (UBL5), mRNA	1	CCCATCCTCATCCCCCACACTGGGAT AGATGCTTGTTTGTAAAAACTCAC
0500	Table 2A	Hs.78768	NM_024298	13236521	/cds=(65,286) malignant cell expression-enhanced	1	TCAGGCCGCCTAGCTGCCCCTTTGC
3523	Table 3A	HS.70700	14141_024290	10200021	gene/tumor progression-enhanc	•	CAGGTTAATAAAGCACTGACTTGTT
					(LENG4), mRNA /cds=(1101,1700)		
3524	Table 3A	Hs.323193	NM_024334	13236586	,,	1	AAGGATTTTAAATAACTGCCGACTTC
					(MGC3222), mRNA /cds=(149,1351)		AAAAGTGTTCTTAAAACGAAAGAT
3525	Table 3A	Hs.15961	NM_024348	13259513	dynactin 3 (p22) (DCTN3), transcript variant 2, mRNA /cds=(16,546)	1	CACCCACCCTCCCCCCAATCAGTGTT CTTATTTCAGTGACAATAAACCAT
2506	Table 3A	Hs.8121	NM_024408	13249343		1	ATAGCTGGTGACAAACAGATGGTTGC
3526	Table SA	П5.0121	14101_024400	10240040	(NOTCH2), mRNA /cds=(12,7427)	•	TCAGGGACAAGGTGCCTTCCAATG
3527	db mining	Hs.12315	NM 024557	13375722		1	CATGGATATCATGTATCCTTCCTGGT
	•		_		(FLJ11608), mRNA /cds=(561,1184)		GCTCACACACCTGTCACCTTGTAA
3528	Table 3A	Hs.337561	NM_024567	13375737		1	GCTGTGTGACTTAGTAGATAAAATAC TGCCTTCTGCCTTTGGGACCATGA
0500	alle ancionen	LIn 000440	NIM ODAGOG	13376352	(FLJ21616), mRNA /cds=(119,1093) hypothetical protein FLJ22757	1	ACTTCCATCTCAGCTAATGCACCCAC
3529	db mining	Hs.236449	NM_024898	13370332	(FLJ22757), mRNA /cds=(92,2473)	•	CAGCTCAAACACACCAATAAAGCT
3530	literature	Hs.72241	NM_030662	13489053	mitogen-activated protein kınase	1	GCTGCTGTGTGTCTCAGAGGCT
			_		kınase 2 (MAP2K2), mRNA		CTGCTTCCTTAGGTTACAAAACAAA
3531	Table 3A	Hs.196270	NM_030780	13540550	•	1	ATTTATCGTAAACATCCACGAGTGCT
		11. 044450	NINA 000700	40540504	mRNA /cds=(128,1075)	1	GTTGCACTACCATCTATTTGTTGT CCCCACAATGGTCTCTTTTCTCCCTG
3532	Table 3A	Hs.211458	NM_030788	13540564	DC-specific transmembrane protein (LOC81501), mRNA /cds=(51,1463)	1	CTCCCTTATTAAAGAACTCTTTCT
3533	cytokine arrays	Hs.46468	NM_031409	14043039		1	CAGTGGTTCCCATTGATTCTCCCCAT
0000	oytotano anajo	110.10			(CCR6), transcript variant 2, mRNA		ATCTTTTTGCTCTCAGGCTCTGGC
3534	Table 3A	Hs.301183	NM_031419	13899228		1	CTTGTATCTCTAAATATGGTGTGATAT
					induced by lipopolysaccharide (MAIL),		GAACCAGTCCATTCACATTGGAA
					homolog of mouse (MAIL), mRNA		
2525	Table 3A	Hs.245798	NM 031435	13899258	/cds=(48,2204) hypothetical protein DKFZp564l0422	1	ACATAGATTTTCTGCCAACAAATCCT
3535	rable SA	113.240180	. 14141_0014433	10000200	(DKFZP564I0422), mRNA	•	CTCTGCTGTTCACATTATCCTTTG
3536	db mining	Hs.238730	NM_031437	13899264		1	CAGAGGTGGGAGTAACTGCTGGTAG
			_		(MGC10823), mRNA /cds=(63,1235)		TGCCTTCTTTGGTTGTTGCTCAG
3537	Table 3A	Hs.103378	NM_031453	13899290		1	TTAGAACCAAAGTTATTCTTAATAAAA ATCACCACATGCTTGGACCATGC
0500					(MGC11034), mRNA /cds=(245,640)		AIGAGGAGAIGGIIGGAGGAIGG
	Table 04	Un 00400**	NIN 024400	12000220		1	GCTCTTACACTTCGTCTTTAATGTTCT
3538	Table 3A	Hs 281397	NM_031480	13899339		1	GCTCTTACACTTCGTCTTTAATGTTCT TTTTGGAGTTAGGACCTCTCAGT

Table 8

3539	RG housekeeping	Hs 334691	NM_032223	14149927	hypothetical protein FLJ22427 (FLJ22427), mRNA /cds=(40,2631)	1	ACCTTGACATGGGTTGTCTAATAAAA CTCGGACCCTTCTTGTGAAATCAA
3540	genes Table 3A	NA	R11456		spleen 1NFLS cDNA clone IMAGE 129880 5' similar to	1	ATCCCAGTGCACAGTGAGTTGTATAT CACAATAGGAGGGCCACTTCAGGA
3541	RG housekeeping genes	Hs 170222	R14692	768965	Na+/H+ exchanger NHE-1 isoform [human, heart, mRNA, 4516 nt] /cds=(577,3024)	1	GAAGCTGCTAGGGGAAGGACTGGCC TGGCTCCAGAATGTTGTTGCCTTTT
3542	Table 3A	Hs.100896	R18757	772367	yg17e04.r1 cDNA, 5' end /clone=IMAGE:32522 /clone_end=5'	1	GGGAAGGAAAAGGGGTGTGGCAGCT GGGAGCGTTTATTTATGTTCTTTCT
3543	RG housekeeping genes	Hs 82927	AK025706	10438309	cDNA: FLJ22053 fis, clone HEP09502, highly similar to HUMAMPD2 AMP deaminase (AMPD2) mRNA /cds=UNKNOWN	1	GAGTGGTGTTCCCAGTGTGGCTCCC AGAGCTTTGACCAGATTGTGATCCC
3544	RG housekeeping	Hs.240013	R44202	822065	mRNA; cDNA DKFZp547A166 (from clone DKFZp547A166) /cds=UNKNOWN	1	CTTTGCATTTAGGGACACAGCCCGGA GCCGCAGAAGGTCAGCAGGGAGCA
3545	genes RG housekeeping genes	Hs.12163	NM_003908	4503504		1	CATTGCCTACTTTAACACCTGTCAGA GAAACGTGATATGGGGTAAGGAGG
3546	RG housekeeping genes	Hs.26320	R56088	826194	mRNA for TRABID protein (TRABID gene) /cds=(406,2532)	1	GCAATCTGGGAGCAGCACATTGTTGA TGGAGTCCAAGTGAGCACATTTCA
3547	Table 3A	Hs.208603	R64054	835933	7f01d11 x1 cDNA, 3' end /clone=IMAGE:3293397 /clone_end=3'	1	CTCTCCTGGACTGTTGCAGTTGGGTG TGGCTGATTTGAAATTGTGCTTCA
3548	Table 3A	Hs.181400	R67739	840377	602650370T1 cDNA, 3' end /clone=IMAGE:4761353 /clone_end=3'	1	TAACAAGAATTGCATTGAGGAAACAA GGCTCCACAGGGCCAATCTTCTGG
3549	Table 3A	Hs.161043	R84314	942720	602415728F1 cDNA, 5' end /clone=IMAGE:4523958 /clone_end=5'	1	AAGAAGTTACATCTTCAATGTCCAGG GATGATCGTTTGAAGAGAACCTCT
3550	Table 3A	NA	R85137	943543	brain N2b4HB55Y cDNA clone IMAGE:180492 5'	1	AAAACATTGCCAGACCATTTAGTCCT CTTGGAAGGGCCTCTCCGGTGGGG
3551	Table 3A	Hs.134025	R88126	946939	UI-H-BI2-agp-a-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:2724781	1	AGGGATAATAAGGTTAGCTGTTAACC AAGCAACTGAGCTTTTAACCAAAG
3552	Table 3A	Hs 85289	S53911	264768	CD34 antigen (CD34), mRNA /cds=(90,1076)	1	CAAGACACTGTGGACTTGGTCACCAG CTCCTCCCTTGTTCTCTAAGTTCC
3553	Table 3A	Hs.246381	S57235		CD68 antigen (CD68), mRNA /cds=(15,1079)	1	TCTTTGACGGGGTTTTCCTTGCTCCT GCCAGGATTAAAAGTCCATGAGTT
3554	Table 3A	Hs.75256	S59049		regulator of G-protein signalling 1 (RGS1), mRNA /cds=(14,604)	1	CTTAAAGTATATGTTTTCAAATTGCCA TTGCTACTATTGCTTGTCGGTGT
3555	Table 3A	Hs.279518			amyloid beta (A4) precursor-like protein 2 (APLP2), mRNA /cds=(72,2363)	1	CTCCTGTCACCGGCCTTGTGACATTC ACTCAGAGAAGACCACACCAAGGA
3556	Table 3A	Hs.300697		386156	heavy chain /cds=(65,1498)	1	GTCGGACTATGTAATTGTAACTATAC CTCTGGTTCCCATTAAAAGTGACC
3557	Table 3A	Hs 249247	S63912	399757	heterogeneous nuclear ribonucleoprotein A3 (HNRPA3), mRNA	1	GCTAGTGTTTGAATATGCTCTCTTGTT GCTCTAATTCTGTGCCTCCGTGC
3558	Table 3A	Hs.155924	S68271	545204	cAMP responsive element modulator (CREM), mRNA /cds=(0,998)	1	AGAGGAACTTGAAACCTTGAAAGACA TTTGTTCTCCCAAAACTGATTACT
3559	Table 3A	Hs.89545	S71381	551546	proteasome (prosome, macropain) subunit, beta type, 4 (PSMB4), mRNA /cds=(23,817)	1	ACTGGGATATTGCCCACATGATCAGT GGCTTTGAATGAAATACAGATGCA
3560	Table 3A	Hs.179526	S73591	688296	upregulated by 1,25-dihydroxyvitamin D-3 (VDUP1), mRNA /cds=(221,1396)	1	CCAGAAAGTGTGGGCTGAAGATGGT TGGTTTCATGTGGGGGTATTATGTA
3561	Table 3A	Hs 155396	S74017	693841	nuclear factor (erythroid-derived 2)-like 2 (NFE2L2), mRNA /cds=(39,1808)	1	TTTCTTAGGACACCATTTGGGCTAGT TTCTGTGTAAGTGTAAATACTACA
3562	Table 3A	Hs.274401	S75463	833998	mRNA; cDNA DKFZp434P086 (from clone DKFZp434P086); partial cds /cds=(798,1574)	1	GAAGGGTTGGCCTGCCTGGCTGGGG AGGTCAGTAAACTTTGAATAGTAAG
3563	Table 3A	Hs.73090	S76638	243420		1	TTAACACCCCACACCCACCCCTCAGT TGGGACAAATAAAGGATTCTCATG
3564	Table 3A	Hs.252136	S80990	1911529		1	CAAGCCGCCACATGCCCACAACCTC ACCAGAGGGAGAATTATGTTTCTAA
3565	Table 3A	Hs.301497	T77017	694220	argınine-tRNA-protein transferase 1-1p (ATE1) mRNA, alternatively spliced	1	GTGTATTGATCCAAGTAGTCAAAGTG TCTTAAAGGGCACCTATTTGTCCT
3566	Table 3A	Hs.158193	T78173	696682	product, partial cds /cds=(0,1544) 2 yd79c05 r1 cDNA, 5' end /clone=IMAGE.114440 /clone_end=5'	1	AGTGCTTTCCAAATGTGATTGTTCTG GGTGATGGGACATATGGGCAGTTG

Table 8

3567	Table 3A	NA	T80378	698887	1NIB cDNA clone IMAGE:24693 5'	1	CGGGGGAATAGGAGGAAAAACATGG CATGGAACAAACCAACATAAAAGGT
3568	Table 3A	NA	T80654		spleen 1NFLS cDNA clone IMAGE:108950 5'	1	ACTAATTCTGCTCTTTGGACAAGTGC CTGACATCTGCTTCATTGGGTTTT AGGAATAAAGTTAAGTATTTCCCACTT
3569	Table 3A	Hs 189744	T85880		qz25e11 x1 cDNA, 3' end /clone=IMAGE 2027948 /clone_end=3'	1	GGAAATTGTACCACTCCTGGGGT CCTCTGCCAAAGTACTCTTAGGTGCC
3570	Table 3A	Hs 327	U00672		interleukin 10 receptor, alpha (IL10RA), mRNA /cds=(61,1797)	1	AGTCTGGTAACTGAACTCCCTCTG GTCTGGTAAGCCGATGCTAATGGCA
3571	Table 3A	Hs.184592	U00946	405048	protein kinase, lysine deficient 1 (PRKWNK1), mRNA /cds=(0,7148)	1	GAAGCAATAGAAGTCCAAGGCACTA ACGGGACAATTTTAAGATGTAATACC
3572	Table 3A	Hs.278857	U01923		heterogeneous nuclear ribonucleoprotein H2 (H') (HNRPH2), heterogeneous nuclear	1	AATACTTTAGAAGTTTGGTCGTGT CTCTCAGTTCCCAAGATGGCCCCACA
3573	Table 3A	Hs.303627	U02019	433343	ribonucleoprotein D (AU-rich element RNA-binding protein 1, 37kD) (HNRPD), transcript variant 1, mRNA	•	TTCCCATTGTTTTCCCCAAGAGAA
3574	Table 3A	Hs.239138	U02020	404012	pre-B-cell colony-enhancing factor (PBEF), mRNA /cds=(27,1502)	1	GGTTGTTGTATTGTACCAGTGAAATG CCAAATTTGAAAGGCCTGTACTGC
3575	Table 3A	Hs.172081	U02882	433346	rolipram-sensitive 3',5'-cyclic AMP phosphodiesterase mRNA, complete cds /cds=(108,1922)	1	TTGTTTGCCATCTGTTGATCAGGAAC TACTTCAGCTACTTGCATTTGATT
3576	Table 3A	Hs.75969	U03105	476094	proline-rich protein with nuclear targeting signal (B4-2), mRNA	1	AATCTACATTTTCTTACCAGGAGCAG CATTGAGGTTTTTGAGCATAGTAC
3577	Table 3A	Hs 89421	U03644	476104	CBF1 interacting corepressor (CIR), mRNA /cds=(0,1352)	1	ACAGAGAGCACCCAGGAGGTACACA TACTAAAGTGACACAAAGAGAATGA
3578	Table 3A	Hs.154654	U03688	501030	cytochrome P450, subfamily I (dioxin- inducible), polypeptide 1 (glaucoma 3, primary infantile) (CYP1B1), mRNA /cds=(372,2003)	1	TGTGTGCATAATAGCTACAGTGCATA GTTGTAGACAAAGTACATTCTGGG
3579	Table 3A	Hs.75546	U03851	433307	capping protein alpha mRNA, partial cds /cds=(16,870)	1	AGCATGTTGTTTAATTTCTTTTTAAAA ATCACTGTTGGGCTTTGAAAGCA
3580	Table 3A	Hs.196384	U04636	496975	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) (PTGS2), mRNA /cds=(134,1948)	1	GCTGACAAAACCTGGGAATTTGGGTT GTGTATGCGAATGTTTCAGTGCCT
3581	Table 3A	Hs.118962	U05040	460151	far upstream element (FUSE) binding protein 1 (FUBP1), mRNA	1	TCACTTTCCAAATGCCTGTTTTGTGCT TTACAATAAATGATATGAAACCT
3582	Table 3A	Hs.79630	U05259	452561	MB-1 gene, complete cds	1	TTTATGCGTATTTAAGCCTTGGAAAC ACAGGGACTATCTTGTGGATTGGG
3583	Table 3A	Hs.177559	U05875	463549	interferon gamma receptor 2 (interferon gamma transducer 1) (IFNGR2), mRNA /cds=(648,1661)	1	GTCTTGACTTTGGCAAATGAGCCGGA GCCCCTTGGGCAGGTCACACAACC
3584	Table 3A	Hs.1197	U07550	469170	heat shock 10kD protein 1 (chaperonin 10) (HSPE1), mRNA /cds=(41,349)	1	ACATCCAGTGTCTCCAAAATTGTTTC CTTGTACTGATATAAACACTTCCA
3585	Table 3A	Hs.78909	U07802	984508	Tis11d gene, complete cds /cds=(291,1739)	1	GGTACAGTTGGAGCACTATATGTACT CTCTGGACTACTTTGGACAGAAGT
3586	Table 3A	Hs.173965	U08316	475587	ribosomal protein S6 kinase, 90kD, polypeptide 3 (RPS6KA3), mRNA /cds=(0,2222)	1	AAAATCACCTCAACAGCCCTGTGAAG TGACCTCAGTGAGATATTTGGATC
3587	Table 3A	Hs.170171	U08626	551473	glutamine synthetase pseudogene	1	TTAAAGTGCACCTTCCAAAATGTCTC CCATAAGTAGGTAAGACCAACCTG
3588	Table 3A	Hs.333513	U10117	498909	small inducible cytokine subfamily E, member 1 (endothelial monocyte- activating) (SCYE1), mRNA	1	AATGATGAGTGTGTGGCTACATACAA AGGAGTTCCCTTTGAGGTGAAAGG
3589	Table 3A	Hs 40202	U10485	505685	(LRMP), mRNA /cds=(574,2241)	1	GGGAAAGTATAGCATGAAACCAGAG GTTCTCAGAATGACCGTAAGATAGC
3590	Table 3A	Hs.79022	U10550	762886	GTP-binding protein overexpressed in skeletal muscle (GEM), mRNA /cds=(213,1103)	1	TGGTTGACCCTTGTATGTCACAGCTC TGCTCTATTTATTATTATTTTGCA
3591	Table 3A	Hs.194778	U11870	511804	interleukin 8 receptor, alpha (IL8RA), mRNA /cds=(100,1152)	1	TTGTCCACAAGTAAAAGGAAATCCTC CTCCAGGGAGTCTCAGCTTCACCC
3592	Table 3A	Hs 80561	U12767	924281	mitogen induced nuclear orphan receptor (MINOR) mRNA, complete cds /cds=(209,1972)	1	CATTGCTCTTTAGTGTGTGTTAACCT GTGGTTTGAAAGAAATGCTCTTGT
3593	Table 3A	Hs 184411	U13044	531892		1	GTCTGGCTTAACTATTTTTGAAAATAT AACTGTTTCCCCTCTCTGCTGCT
3594	Table 3A	Hs 78915	U13045	531894	GA-binding protein transcription factor, beta subunit 1 (53kD) (GABPB1), transcript variant beta, mRNA	1	AAAAGCAATTACCCTTAAAACTGTACT CTGGCCTACTTTTCTATTTTGCA
3595	Table 3A	Hs.1162	U15085	557701	major histocompatibility complex, class II, DM beta (HLA-DMB), mRNA /cds=(233,1024)	1	GGCTCTCAGTGTGCCATAGAGGACA GCAACTGGTGATTGTTTCAGAGAAA
3596	Table 3A	Hs.155596	U15173	558843	BCL2/adenovirus E1B 19kD-interacting protein 2 (BNIP2), mRNA	1	AAACTGTTTCTTTGGTGTCCTTTACAT TGAAATAAATTGTGTTTGTGCCT

Table 8

3597	Table 3A	Hs.2128	U15932		dual specificity phosphatase 5	1	ACCCGTGTGAATGTGAAGAAAGCAG TATGTTACTGGTTGTTGTTGT
			1140007	1100927	(DUSP5), mRNA /cds=(210,1364) glioma pathogenesis-related protein	1	AGAGAGGGAACATCAAATGCTGGCA
3598	Table 3A	Hs.64639	U16307		(RTVP1), mRNA /cds=(128,928)	•	CTATATACATACGATCAGCCTGATT
3599	Table 3A	Hs 183105	U17989		nuclear autoantigen (GS2NA), mRNA	1	GTCTTCCGAGAAACTTTTCTGATCAG
5555	rable on	113 100 100	0000		/cds=(204,2345)		TTTGCGAGTTTTGATGAGTTTTGT
3600	Table 3A	Hs 155188	U18062		TATA box binding protein (TBP)-	1	GCTGCTGTTGCTGCTTTGTGATGACG
					associated factor, RNA polymerase II,		TGAGATCAATAAGAAGAACCTAGT
				000705	F, 55kD (TAF2F), mRNA lymphocyte cytosolic protein 2 (SH2	1	AGGACTGAACTGAACCCCTCCCCATG
3601	Table 3A	Hs 2488	U20158		domain-containing leukocyte protein of	•	AACACAAGGGTTTTATCCTTTCCT
					76kD) (LCP2), mRNA /cds=(207,1808)		
3602	Table 3A	Hs 78913	U20350	665580	G protein-coupled receptor V28 mRNA,	1	GATGTGGTAACTGTTAAATTGCTGTG
0002	Table of t	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			complete cds /cds=(87,1154)		TATCTGATAGCTCTTTGGCAGTCT
3603	Table 3A	Hs.154230	U22897		nuclear domain 10 protein (NDP52),	1	GATCAAAAGGGCTATGGGAAGGGCA GACCCCGCCAATGATTTCTCTTCAC
					mRNA /cds=(54,1394)	1	GAACAGCTTTGTGCTCCGGCTTTCCC
3604	Table 3A	Hs 2437	U23028	806853	eukaryotic initiation factor 2B-epsilon mRNA, partial cds /cds=(0,1925)	1	TCAGGGAACAGCAGAGAGCAGTTG
2005	Table 24	Hs.93304	U24577	1314245	phospholipase A2, group VII (platelet-	1	TCCAGGGACCAACATTAACACAACCA
3605	Table 3A	HS.83304	024317		activating factor acetylhydrolase,		ATCAACACATCATGTTACAGAACT
					plasma) (PLA2G7), mRNA		
3606	Table 3A	Hs.278625	U24578	1125049	RP1 and complement C4B precursor	1	TATTAAAGGCTTTTGGCAGCAAAGTG TCAGTGTTGGCAGCGAAGTGTCAG
					(C4B) genes,	1	TTCACAAGATGCTTTGAAGGTTCTGA
3607	Table 3A	Hs.3144	U26710	862406	Cas-Br-M (murine) ectropic retroviral transforming sequence b (CBLB),	'	TTTTCAACTGATCAAACTAATGCA
					mRNA /cds=(322,2634)		
3608	Table 3A	Hs.1724	U29607	903981	interleukin 2 receptor, alpha (IL2RA),	1	ACTAATTTGATGTTTACAGGTGGACA
3000	Table on	110.172.1	02000		mRNA /cds=(159,977)		CACAAGGTGCAAATCAATGCGTAC
3609	Table 3A	Hs.75981	U30888	940181	ubiquitin specific protease 14 (tRNA-	1	ACTGTACAATTTCTGAAGATGGTTATT
					guanine transglycosylase) (USP14),		AACACTGTGCTGTTAAGCATCCA
				4045454	mRNA /cds=(91,1575)	1	CTGTGTCTGGCACCACCCACACATCC
3610	Table 3A	Hs.845	U31120	1045451	interleukin-13 (IL-13) precursor gene, complete cds	•	ATGTCTCCCTCACAACCCAGGAGG
3611	Table 3A	Hs.64310	U32324	975336	interleukin 11 receptor, alpha (IL11RA),	1	CATGTATGTAGGTGCCTGGGAGTGT
3011	Table on	113.04010	00202.		mRNA /cds=(5,1273)		GTGTGGTCCTTGCTCTGGCCCTTTC
3612	Table 3A	Hs.41724	U32659	1155222	interleukin 17 (cytotoxic T-lymphocyte-	1	ATTCAATTCCAGAGTAGTTTCAAGTTT
					associated serine esterase 8) (IL17),		CACATCGTAACCATTTTCGCCCG
			1100000	4426227	mRNA /cds=(53,520) damage-specific DNA binding protein 1	1	TCTTCGGAAAGAAGAAGGTGGGAGG
3613	Table 3A	Hs.108327	U32986	1136227	(127kD) (DDB1), mRNA	,	ATGTGAATTGTTAGTTTCTGAGTTT
3614	Table 3A	Hs.32970	U33017	984968	signaling lymphocytic activation	1	ATCAAGCCTCTGTGCCTCAGTTTCTC
0014	Table of	110.020.0			molecule (SLAM), mRNA		TCTCAGGATAAAGAGTGAATAGAG
3615	Table 3A	Hs.2533	U34252	1049218		1	GCGATAGAGGAAATCTACTCCCTATC
					aminobutyraldehyde dehydrogenase,		TTGGGTCCTTGAACTACAGCCTGC
0010	T-14-04	11- 460476	112400E	1497857	E3 isozyme) (ALDH9), mRNA Homo sapiens, glyceraldehyde-3-	1	CTAGGGAGCCGCACCTTGTCATGTAC
3616	Table 3A	Hs.169476	034993	1497637	phosphate dehydrogenase, clone		CATCAATAAAGTACCCTGTGCTCA
					MGC:10926 IMAGE:3628129, mRNA,		
					complete cds /cds=(2306,3313)		TTTCTCCCCCTAGTTTGTGAGAAACA
3617	Table 3A	Hs.289107	U37547		baculoviral IAP repeat-containing 2		C C C C C AG G G AGAAACA
				1145292	(DID OO) DNA (-d+-(44 EO 204 E)	1	TCTCAATAAAGTGCTTTCCAAAAA
3618	T 11 04	11- 45 4057	1120200		(BIRC2), mRNA /cds=(1159,3015)	1	TCTCAATAAAGTGCTTTCCAAAAA TCCCATCAAAAAGGTATCAAATGCCT
0010	Table 3A	Hs.154057	U38320		(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19),	1	TCTCAATAAAGTGCTTTCCAAAAA TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA
, 0010	Table 3A	Hs.154057	U38320	2228241	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899)	1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA
3619		Hs.154057 Hs.151518		2228241	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1	1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA
3619	Table 3A	Hs.151518	U38847	2228241 1184691	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865)	1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT
	Table 3A			2228241 1184691	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD	1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT
3619 3620	Table 3A	Hs.151518 Hs.75916	U38847	2228241 1184691 1173904	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666)	1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT
3619	Table 3A	Hs.151518 Hs.75916	U38847	2228241 1184691 1173904	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD	1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTTGT
3619 3620	Table 3A	Hs.151518 Hs.75916	U38847	2228241 1184691 1173904 1230563	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412)	1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTTGT TTACCAAGAAGGACTTAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA
3619 3620 3621	Table 3A	Hs.151518 Hs.75916	U38847	2228241 1184691 1173904 1230563	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein	1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTGT TTACCAAGAAGGACTTAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG
3619 3620 3621 3622	Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304	U38847 U41371 U41387 U41654	2228241 1184691 1173904 1230563 2058395	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972)	1 1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTGT TTACCAAGAAGGACTTAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG TATCTTCCTGTATTCCGTATCAGA
3619 3620 3621	Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304	U38847 U41371 U41387	2228241 1184691 1173904 1230563 2058395	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972) signal transducer and activator of	1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTGT TTACCAAGAAGGACTTAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG
3619 3620 3621 3622	Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304	U38847 U41371 U41387 U41654	2228241 1184691 1173904 1230563 2058395	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972) signal transducer and activator of transcription 5A (STAT5A), mRNA	1 1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTTGT TTACCAAGAAGGACTTAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG TATCTTCCTGTATTCCGTATCAGA CTCTGAGGCGTGAGGACTCGCAGTC AGGGGCAGCTGACCATGGAAGATTG
3619 3620 3621 3622 3623	Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304	U38847 U41371 U41387 U41654	2228241 1184691 1173904 1230563 2058395 1151169	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972) signal transducer and activator of transcription 5A (STAT5A), mRNA /cds=(640,3024) small inducible cytokine subfamily A	1 1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTTGT TTACCAAGAAGGACTTAAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG TATCTTCCTGTATTCCGTATCAGA CTCTGAGGCGTGAGGACTCCAGTC AGGGGCAGCTGACCATGGAAGATTG CCTCTCTTCCTCCCTGGAATCTTGTA
3619 3620 3621 3622 3623	Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304 Hs.167503	U38847 U41371 U41387 U41654 U43185	2228241 1184691 1173904 1230563 2058395 1151169	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972) signal transducer and activator of transcription 5A (STAT5A), mRNA /cds=(640,3024) small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin)	1 1 1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTTGT TTACCAAGAAGGACTTAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG TATCTTCCTGTATTCCGTATCAGA CTCTGAGGCGTGAGGACTCGCAGTC AGGGGCAGCTGACCATGGAAGATTG
3619 3620 3621 3622 3623	Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304 Hs.167503 Hs.54460	U38847 U41371 U41387 U41654 U43185 U46573	2228241 1184691 1173904 1230563 2058395 1151169	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972) signal transducer and activator of transcription 5A (STAT5A), mRNA /cds=(640,3024) small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin) (SCYA11), mRNA /cds=(53,346)	1 1 1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATTTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTGT TTACCAAGAAGGACTTAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG TATCTTCCTGTATTCCGTATCAGA CTCTGAGGCGTGAGGACTCGCAGTC AGGGGCAGCTGACCATGGAAGATTG CCTCTCTTCCTCCCTGGAATCTTGTA AAGGTCCTGGCAAAGATGATCAGT
3619 3620 3621 3622 3623	Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304 Hs.167503	U38847 U41371 U41387 U41654 U43185 U46573	2228241 1184691 1173904 1230563 2058395 1151169	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972) signal transducer and activator of transcription 5A (STAT5A), mRNA /cds=(640,3024) small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin) (SCYA11), mRNA /cds=(53,346) truncated calcium binding protein	1 1 1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTTGT TTACCAAGAAGGACTTAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG TATCTTCCTGTATTCCGTATCAGA CTCTGAGGCGTGAGGACTCGCAGTC AGGGGCAGCTGACCATGGAAGATTG CCTCTCTTCCTCCCTGGAATCTTGTA AAGGTCCTGGCAAAGATGATCAGT GCCTCCTGGTCTCTTCACCACTGTAG TTCTCTCATTTCCAAACCATCAGC
3619 3620 3621 3622 3623 3624	Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304 Hs.167503 Hs.54460 Hs.27989	U41371 U41387 U41654 U43185 U46573	2228241 1184691 1173904 1230563 2058395 1151169 1280140	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972) signal transducer and activator of transcription 5A (STAT5A), mRNA /cds=(640,3024) small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin) (SCYA11), mRNA /cds=(53,346)	1 1 1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTTGT TTACCAAGAAGGACTTAAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG TATCTTCCTGTATTCCGTATCAGA CTCTGAGGCGTGAGGACTCGCAGTC AGGGCAGCTGACCATGGAATCTTGTA AAGGTCCTGCCCCTGGAATCTTGTA AAGGTCCTGGCAAAGATGATCAGT GCCTCCTGGTCTCTTCACCACTGTAG TTCTCTCATTTCCAAACCATCAGC TTTTCCTTCTAACACTTGTATTTGGAG
3619 3620 3621 3622 3623	Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304 Hs.167503 Hs.54460 Hs.27989	U38847 U41371 U41387 U41654 U43185 U46573	2228241 1184691 1173904 1230563 2058395 1151169 1280140	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972) signal transducer and activator of transcription 5A (STAT5A), mRNA /cds=(640,3024) small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin) (SCYA11), mRNA /cds=(53,346) truncated calcium binding protein (LOC51149), mRNA /cds=(219,695) DNA-dependent protein kinase catalytic subunit (DNA-PKcs) mRNA,	1 1 1 1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTTGT TTACCAAGAAGGACTTAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG TATCTTCCTGTATTCCGTATCAGA CTCTGAGGCGTGAGGACTCGCAGTC AGGGGCAGCTGACCATGGAAGATTG CCTCTCTTCCTCCCTGGAATCTTGTA AAGGTCCTGGCAAAGATGATCAGT GCCTCCTGGTCTCTTCACCACTGTAG TTCTCTCATTTCCAAACCATCAGC
3619 3620 3621 3622 3623 3624	Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304 Hs.167503 Hs.54460 Hs.27989	U38847 U41371 U41387 U41654 U41654 U46573 U46573 U46751 U47077	2228241 1184691 1173904 1230563 2058395 1151169 1280140 3077821	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972) signal transducer and activator of transcription 5A (STAT5A), mRNA /cds=(640,3024) small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin) (SCYA11), mRNA /cds=(53,346) truncated calcium binding protein (LOC51149), mRNA /cds=(219,695) DNA-dependent protein kinase catalytic subunit (DNA-PKcs) mRNA, complete cds /cds=(57,12443)	1 1 1 1 1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTGT TTACCAAGAAGGACTTAAGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG TATCTTCCTGTATTCCGTATCAGA CTCTGAGGCGTGAGGACTCGCAGTC AGGGGCAGCTGACCATGGAAGATTG CCTCTCTTCCTCCCTGGAATCTTGTA AAGGTCCTGGCAAAGATGATCAGT GCCTCCTGGTCTTCACCACTGTAG TTCTCCATTTCCAAACCATCAGC TTTTCCTTCAACACTTGTATTTTGGAG GCTCTTCTTCAACACTTGTATTTTGGAG GCTCTTCTTCATGTATTTTGGAGAAGT
3619 3620 3621 3622 3623 3624 3625 3626	Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.151518 Hs.75916 Hs.169531 Hs.57304 Hs.167503 Hs.54460 Hs.27989	U41371 U41387 U41654 U43185 U46573	2228241 1184691 1173904 1230563 2058395 1151169 1280140	(BIRC2), mRNA /cds=(1159,3015) matrix metalloproteinase 19 (MMP19), transcript variant rasi-3, mRNA /cds=(1642,1899) TAR (HIV) RNA-binding protein 1 (TARBP1), mRNA /cds=(0,4865) splicing factor 3b, subunit 2, 145kD (SF3B2), mRNA /cds=(48,2666) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21 (DDX21), mRNA /cds=(265,2412) Ras-related GTP-binding protein (RAGA), mRNA /cds=(31,972) signal transducer and activator of transcription 5A (STAT5A), mRNA /cds=(640,3024) small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin) (SCYA11), mRNA /cds=(53,346) truncated calcium binding protein (LOC51149), mRNA /cds=(219,695) DNA-dependent protein kinase catalytic subunit (DNA-PKcs) mRNA, complete cds /cds=(57,12443)	1 1 1 1 1 1	TCCCATCAAAAAGGTATCAAATGCCT TGGAAGCTCCCTGATCCTACAAAA TGCCAAAAGTTTGCCATGTGCCTTAA ACATATTACTATATATTTTCCCCT CAGTTCCCAAGGACTTGTCATTTCAT GTTCTTATTTTAGACCTGTTTTTGT TTACCAAGAAGGACTTAAAGGGAGTAA GGGGCGCAGATTAGCATTGCTCAA GATATGCACATCAAAGCCTTTACCAG TATCTTCCTGTATTCCGTATCAGA CTCTGAGGCGTGAGGACTCGCAGTC AGGGCAGCTGACCATGGAATCTTGTA AAGGTCCTGCCCCTGGAATCTTGTA AAGGTCCTGGCAAAGATGATCAGT GCCTCCTGGTCTCTTCACCACTGTAG TTCTCTCATTTCCAAACCATCAGC TTTTCCTTCTAACACTTGTATTTGGAG

Table 8

3628	Table 3A	Hs 173824	U51166		thymine-DNA glycosylase (TDG),	1	GGACATCCACTAGAGATGGGTTTGAG GATTTTCCAAGCGTGTAATAATGA
0000	T-51- 04	Un 70002	1151002		mRNA /cds=(399,1631) IQ motif containing GTPase activating	1	TTGCACGCAGAGCCTTTAAGTGACTA
3629	Table 3A	Hs 78993	U51903		protein 2 (IQGAP2), mRNA	•	AGGAACAACATAGATAGTGAGCAT
					/cds=(222,4949)		
3630	Table 3A	Hs.74170	U52054		602708243F1 cDNA, 5' end /clone=IMAGE:4844914 /clone_end=5'	1	ACTTTAATCTGATCTTGTGTCTTAGAG AAGCCCCCATACCTGGTAGAGCA
3631	Table 3A	Hs 82132	U52682		interferon regulatory factor 4 (IRF4),	1	TGTAGGAAAGGATGCTTCACAAACTG
3031	Table on	113 02 102	002002		mRNA /cds=(105,1460)		AGGTAGATAATGCTATGCTGTCGT
3632	Table 3A	Hs.82132	U52682		interferon regulatory factor 4 (IRF4),	1	TGTAGGAAAGGATGCTTCACAAACTG AGGTAGATAATGCTATGCT
		11. 400550	1150047		mRNA /cds=(105,1460) solute carrier family 1 (neutral amino	1	CTGGGGAGAGGCTGAGGACAAATAC
3633	Table 3A	Hs 183556	U53347	14/8280	acid transporter), member 5 (SLC1A5),	•	CTGCTGTCACTCCAGAGGACATTTT
					mRNA /cds=(590,2215)		
3634	Table 3A	Hs 333527	U53530	1314642	cDNA FLJ13685 fis, clone	1	CATTACTTGTGAGCTGCTGAACAAAC
					PLACE2000039, highly similar to		AAGTCAAGGTGAGCCCGGACATGG
					DYNEIN HEAVY CHAIN, CYTOSOLIC /cds=UNKNOWN		
3635	Table 3A	Hs.58189	U54559	2351379	eukaryotic translation initiation factor 3,	1	AAGAAGTTAACATGAACTCTTGAAGT
0000	Table of t	1.0.00	•		subunit 3 (gamma, 40kD) (EIF3S3),		CACACCAGGGCAACTCTTGGAAGA
					mRNA /cds=(5,1063)		
3636	Table 3A	Hs.44585	U58334	1399804	tumor protein p53-binding protein, 2	1	GAAACTTGCTACAGACTTACCCGTAA TATTTGTCAAGATCATAGCTGACT
2027	Toble 2A	Hs.169191	U58913	4204907	(TP53BP2), mRNA /cds=(756,3773) small inducible cytokine subfamily A	1	TGGACACACGGATCAAGACCAGGAA
3637	Table 3A	115.103131	000010	7204001	(Cys-Cys), member 23 (SCYA23),		GAATTGAACTTGTCAAGGTGAAGGG
					mRNA /cds=(71,433)		
3638	Table 3A	Hs.11383	U59808	4097420	small inducible cytokine subfamily A	1	TGCTAAATATGTTATTGTGGAAAGAT GAATGCAATAGTAGGACTGCTGAC
					(Cys-Cys), member 13 (SCYA13), mRNA /cds=(75,371)		GAATGCAATAGTAGGACTGCTGAC
3639	Table 3A	Hs.79089	U60800	1663566	sema domain, immunoglobulin domain	1	AGCAATAAACTCTGGATGTTTGTGCG
5003	Table of	110.70000	00000	,	(lg), transmembrane domain (TM) and		CGTGTGTGGACAGTCTTATCTTCC
					short cytoplasmic domain, (semaphorin)		
	-		1100005	4704040	4D (SEMA4D), mRNA /cds=(87,2675) oncostatin M receptor (OSMR), mRNA	1	TCCTCTTTTCTTTCAAGAACTATATAT
3640	Table 3A	Hs 238648	U60805	1794210	/cds=(367,3306)	,	AAATGACCTGTTTTCACGCGGCC
3641	Table 3A	Hs.77256	U61145	1575348	enhancer of zeste (Drosophila)	1	AGCTGCAAAGTGTTTTGTACCAGTGA
					homolog 2 (EZH2), mRNA		ATTTTTGCAATAATGCAGTATGGT
3642	Table 3A	Hs.30035	U61267	1418285	splicing factor, arginine/serine-rich	1	TTGCTTACCAAAGGAGGCCCAATTTC ACTCAAATGTTTTGAGAACTGTGT
					(transformer 2 Drosophila homolog) 10 (SFRS10), mRNA /cds=(121,987)		ACTOMATOTITION ON TOTO
3643	Table 3A	Hs.155935	U62027	1511643	complement component 3a receptor 1	1	ACATAGTGAAAGTTTATAAGAGGATG
00.10					(C3AR1), mRNA /cds=(0,1448)		AAGTGATATGGTGAGCAGCGGACT
3644	Table 3A	Hs.177584	U62961	1519051		1	AACAGCCTTTCTGGCTGACCACATGG TTAAATGCATACCTTCCCAGTACT
					nuclear gene encoding mitochondrial protein, mRNA /cds=(98,1660)		TIAATGCATACOTTOCCACTACT
3645	Table 3A	Hs.75498	U64197	1778716	small inducible cytokine subfamily A	1	TGTGCCTCACCTGGACTTGTCCAATT
		***************************************			(Cys-Cys), member 20 (SCYA20),		AATGAAGTTGATTCATATTGCATC
				4005007	mRNA /cds=(58,348)	1	CTATAGATGAAGACATAAAAGACACT
3646	Table 3A	Hs.73165	U64198	1685027	interleukin 12 receptor, beta 2 (IL12RB2), mRNA /cds=(640,3228)	'	GGTAAACACCAATGTAAAAGGGCC
3647	Table 3A	Hs.279939	U65590	1794218	mitochondrial carrier homolog 1	1	AGCTGTTGATGCTGGTTGGACAGGTT
0017	100.00	1.0.2.	•		(MTCH1), nuclear gene encoding		TGAGTCAAATTGTACTTTGCTCCA
					mitochondrial protein, mRNA	4	TGGGAAGGAAGGCTCTGTCTTCAACT
3648	Table 3A	Hs.73172	U67369	1698691	growth factor independent 1 (GFI1), mRNA /cds=(267,1535)	1	CTTTGACCCTCCATGTGTACCATA
3649	Table 3A	Hs.84264	U70439	1698782	Homo sapiens, acidic protein rich in	1	GATTCTTGCTGTAGCGTGGATAGCTG
00.0	100.00				leucines, clone MGC:8650		TGATTGGTGAGTCAACCGTCTGTG
					IMAGE:2961642, mRNA, complete cds		
0050	Table 04	Hs.82116	U70451	1763090	/cds=(211,966) myleoid differentiation primary	1	TGGGCATTTTAAAGCCATCTCAAGAG
3650	Table 3A	HS.02110	070451	1703030	response protein MyD88 mRNA,	•	GCATCTTCTACATGTTTTGTACGC
					complete cds /cds=(32,922)		
3651	Table 3A	Hs.117005	U71383	2411474	sialic acid binding Ig-like lectin 5	1	AAGTCAGGGACCACTTGCTGAAGCA CGAAGAGCCCTTGTGGCAATGTTAA
2250	T-11- 04	Un 4004E	1170514	2276205	(SIGLEC5), mRNA /cds=(142,1797) Homo sapiens, Similar to gene rich	1	GACTGCTGGAAGATGATCTTTCTGCA
3652	Table 3A	Hs.12045	U72514	2210393	cluster, C2f gene, clone MGC 16358		CTGAGACTGTGGAGTTTGGGGAAG
					IMAGE:3927564, mRNA, complete cds		
					/cds=(278,733)		TTOTOCOTOTO
3653	Table 3A	Hs.183684	U73824	1857236	eukaryotic translation initiation factor 4	1	TTGTGGGTGTGAAACAAATGGTGAGA ATTTGAATTGGTCCCTCCTATTAT
					gamma, 2 (EIF4G2), mRNA /cds=(306,3029)		,,
3654	Table 3A	NA	U75686	2801402	Poly(A)-binding protein, cytoplasmic 4	1	AATTCCAGCTGAGCGCCGGTCGCTA
					(inducible form)		CCATTACCGTTGGTCTTGGTGTCAA
3655	Table 3A	Hs.20191	U76248	2673967	' hSIAH2 mRNA, complete cds /cds=(526,1500)	1	CCCCAACCCTCAAATTAAAACTAGAA CTATAGATCCACATGAACGCACGC
					7003-(020,1000)		

Table 8

3656	Table 3A	Hs.81361	U76713		heterogeneous nuclear ribonucleoprotein A/B (HNRPAB), transcript variant 1, mRNA	1	AGCTTTTGAAATAAAATTTAAAAACCC CAAGCCTGGGTGAGTGTGGGAAA
3657	Table 3A	Hs 76507	U77396	1684871	LPS-induced TNF-alpha factor (PIG7), mRNA /cds=(233,919)	1	TCTGTAATCAAATGATTGGTGTCATTT TCCCATTTGCCAATGTAGTCTCA
3658	Table 3A	Hs 78103	U77456	1679778	nucleosome assembly protein 1-like 4 (NAP1L4), mRNA /cds=(149,1276)	1	GCCCCACCATTCATCCTGTCTGAAGG TCCTGGGTTTGGTGTGACCGCTTG
3659	Table 3A	Hs 80205	U77735	1750275	pim-2 oncogene (PIM2), mRNA /cds=(185,1189)	1	TTCCTGCCTGGATTATTTAAAAAGCC ATGTGTGGAAACCCACTATTTAAT
3660	Table 3A	Hs 55481	U78722		zınc finger protein 165 (ZNF165), mRNA /cds=(567,2024)	1	AGCCTTCAGTCAGAGCTCAAACCTTA GTCAACACCAGAGAATTCACATGA
3661	Table 3A	Hs 71848	U79277		clone 23548 mRNA sequence /cds=UNKNOWN	1	GAATTTTCAGTTTGTGCTTACATTTTC TAACATTGGATGTTTGCTTTGGC
3662	Table 3A	Hs.173854	U80735		CAGF28 mRNA, partial cds /cds=(0,2235)	1	TATGACTTTAAGAGCCCACATTAGGT TITATGATTCATTTGCCAGGTTTT
3663	Table 3A	Hs.306094	U80743		mRNA for KIAA1818 protein, partial cds /cds=(0,3473)	1	GGCGTGCCGTTGAGGGGGAAAACGA AGCCCAGTATTTGCTACTGTTTTTC
3664	Table 3A	Hs.181466	U81002	4580010	cDNA FLJ14502 fis, clone NT2RM1000244, highly similar to TRAF4 associated factor 1 mRNA /cds=UNKNOWN	1	CTCTTGGGCATAAAATCTCAGAGGAA GCTACTTAGGACATCATCTTGGCC
3665	Table 3A	Hs.161002	U82828	2072424	non-lens beta gamma-crystallin like protein (AIM1) mRNA, partial cds /cds=(0,4913)	1	TCTACAGTAGCCTGTGCTGAACTGAT CTCTTAAATAAACTTGCTTCTGGT
3666	Table 3A	Hs.334457	U83115	2623760	Aac11 (aac11) mRNA, complete cds /cds=(77,1663)	1	TTCTCAAGTTTGATACTGAGTTGACT GTTCCCTTATCCCTCACCGTTCCC
3667 ,	Table 3A	Hs.80420	U83857	1888522	small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin) (SCYD1), mRNA /cds=(79,1272)	1	AGACTTTTCCAACCCTCATCACCAAC GTCTGTGCCATTTTGTATTTTACT
3668	Table 3A	Hs.154695	U84487	2218086	phosphomannomutase 2 (PMM2), mRNA /cds=(48,788)	1	CCAGCGGCATCTTTCCTTGTCGAATG ATACTGTAATGACCTTCCAAAGTG
3669	Table 3A	Hs.50404	U85773	2388626	small inducible cytokine subfamily A (Cys-Cys), member 25 (SCYA25), mRNA /cds=(0,452)	1	TCTGGTCATTCAAGGATCCCCTCCCA AGGCTATGCTTTTCTATAACTTTT
3670	Table 3A	Hs.162808	U86453	2317893	phosphatidylinositol 3-kinase catalytic subunit p110delta mRNA, complete cds /cds=(195,3329)	1	TGTGGGTTGAGACCAGCACTCTGTGA AACCTTGAAATGAGAAGTAAAGGC
3671	Table 3A	Hs.74407	U86602	1835785	nucleolar protein p40, homolog of yeast EBNA1-binding protein (P40), mRNA /cds=(142,1062)	1	TGAATACAAAGAACCAAGAAAAAGGA ATGAAGACTCGCAATTTCACGACA
3672	Table 3A	Hs.5181	U87954	4099505	proliferation-associated 2G4, 38kD (PA2G4), mRNA /cds=(97,1281)	1	CTGAATTTGGTTTTGGGAGGTGAGGC TTCCCAACCACGGAAGACTACTTT
3673	Table 3A	Hs.173334	U88629	1946346	ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)	1	GGCTCACATCAAAAGGCTAATAGGTG AATTTGACCAACAGCAAGCAGAGT
3674	Table 3A	Hs.169963	U90543	2062687	butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA /cds=(210,1793)	1	GACGCCTTACAAATGATGGAGGATTC CAAAGAGTTTTTGTTTATTTGGGT
3675	Table 3A	Hs.167741	U90548	2062697	(BTN3A3), mRNA /cds=(171,1925)	1	CCTGGTCATTGGTGGATGTTAAACCC ATATTCCTTTCAACTGCTGCCTGC
3676	Table 3A	Hs.284283	U90552		butyrophilin (BTF5) mRNA, complete cds /cds=(359,1900)	1	TGGTGGATGTTAAACCAATATTCCTTT CAACTGCTGCCTGCTAGGGAAAA
3677	Table 3A	Hs 83724	U90904	1913882	Homo sapiens, clone IMAGE:3451448, mRNA, partial cds /cds=(0,901)	1	CAGCTCTGGGAAATAGAAGACTAGG GTTGTTTCTTAAATTTAGCTCATGT
3678	Table 3A	Hs 279948	U93243	6649661	HSPC205 mRNA, complete cds /cds=(190,681)	1	TGACTTATGAGCTGTGACTCAACTGC TTCATTAAACATTCTGCATTGGGT
3679	Table 3A	Hs.7811	U94855	2055430	eukaryotic translation initiation factor 3, subunit 5 (epsilon, 47kD) (EIF3S5), mRNA /cds=(6,1079)	1	ACACTGAGATAGTCAGTTGTGTGTGA CTCTAATAAACGGAGCCTACCTTT
3680	Table 3A	Hs.326248	U96628	2343084	cDNA: FLJ22071 fis, clone HEP11691 /cds=UNKNOWN	1	TTTGTAAGCGAAGGAGATGGAGGTC GTCTTAAACCAGAGAGCTACTGAAT
3681	Table 3A	Hs.195175	U97075	2253680	mRNA for CASH alpha protein /cds=(481,1923)	1	GGATGATAACACCCTATGCCCATTGT CCTGATCTGAAAATTCTTGGAAAT
3682	Table 3A	Hs.308026	V00522	32122	major histocompatibility complex, class II, DR beta 5 (HLA-DRB5), mRNA /cds=(29,829)	1	CTTTGCCTAAACCCTATGGCCTCCTG TGCATCTGTACTCACCCTGTACCA
3683	Table 3A	Hs.25647	V01512	29903	cellular oncogene c-fos (complete sequence)	1	AAAAGCATTTAAGTTGAATGCGACCA ACCTTGTGCTCTTTTCATTCTGGA
3684	Table 3A	Hs.44189	W00466	1271875	yz99f01 r1 cDNA, 5' end /clone=IMAGE:291193 /clone_end=5'	1	CCTTGAGAAACACCCATCTCCACTCC TAGACAAACCAATGAACATTAGTC
3685	Table 3A	NA	W00491	1271910	2NbHM cDNA clone IMAGE:291255 5' similar to	1	TCTTAAGGTGTGGCAGAGACAGGGT ATTTGGGATATACTTTTCAGACTCC
3686	Table 3A	NA	W02600	1274578	spleen 1NFLS cDNA clone IMAGE:296099 5'	1	AACAATAAAATATGGCTAGACTGGCC TCTGGTTGCCTAAACAGAGCATCA
3687	Table 3A	NA	W03955	1275820	za62d04.r1 cDNA, 5' end /clone=IMAGE.297127 /	1	CTTAACTGAGGGCTTGTCCTGGTTAT AAATGTCTGGGTGGGGGTGGGCAC

		11. 000447	INMOSEO	1290934	capicua protein (CIC) mRNA, complete	1	AACTGTGAGGCAAATAAAATGCTTCT
3688	Table 3A	Hs 306117	VV16552		cds /cds=(40,4866)	•	CAAACTGTGTGGCTCTTATGGGGT
3689	Table 3A	Hs 17778	W19201		neuropilin 2 (NRP2), mRNA	1	GTGGCTAAGTCATTGCAGGAACGGG
			18/40407		/cds=(0,2780) 602628774F1 cDNA, 5' end	1	GCTGTGTTCTCTGCTGGGACAAAAC ATTGCGACTGTATGGAGAAGAACTGT
3690	Table 3A	Hs.235883	W19487		/clone=IMAGE:4753483 /clone_end=5'	•	TTGTCATTCAGTGCCGTGGGATAT
3691	Table 3A	Hs 340717	W25068		we58c01.x1 cDNA, 3' end	1	TTTATAGAACAATTCCTTTCTCTCTCTCTCTCTCTCTCTC
	T-1-1- 04	11- 470004	W47229		/clone=IMAGE.2345280 /clone_end=3' ELL-RELATED RNA POLYMERASE II,	1	TTGAATGTGGCAGTCATTACTGC TTGATTAGAGCAATGGGAAGCATACT
3692	Table 3A	Hs 173334	VV47229	1331009	ELONGATION FACTOR (ELL2),	•	GTGGCCTACCAGCATCTGGAAGTG
					mRNA /cds=(0,1922)		TONATTONOCCOCCUTTOCCTANCATT
3693	Table 3A	NA	W56487	1358345	zc59c07.r1 Soares_parathyroid_tumor_NbHPA	1	TCAATTGAGGCCCCTTCCCTAAGATT ACAACATTGATAACCTGTCCTTTT
					cDNA clone		
3694	Table 3A	Hs 21812	W74397	1384683	AL562895 cDNA	1	CAGCCCTCCGTCGCTTTTTATAAAAC
	7-61-04	U= 400046	W79598	1390869	/clone=CS0DC021YO20-(3-prime) putative N6-DNA-methyltransferase	1	TTTGTGTGAGAAGAATATATTGAT ACTTCAGATCCTTTTGTGTTTAAATAA
3695	Table 3A	Hs.163846	AA1 9790	1000000	(N6AMT1), mRNA /cds=(29,673)		AGGAAAAGCTGCACATCCAAAAA
3696	Table 3A	Hs.8294	W80882	1391906	KIAA0196 gene product (KIAA0196),	1	AGCCTACCTCCTACCCCAGCTGTCTG TTGAGAGCAGTGCTGACCCCAGCA
3697	Table 3A	Hs.303157	X00437	36748	mRNA /cds=(273,3752) mRNA for T-cell specific protein	1	GAAGAGCTGCTCTCACCTCTCTGCAT
3097	Table 3A	115.505157	700407		/cds=(37,975)		CCCAATAGATATCCCCCTATGTGC
3698	Table 3A	Hs.75514	X00737	35564	nucleoside phosphorylase (NP), mRNA	1	GGGCTCAGTTCTGCCTTATCTAAATC ACCAGAGACCAAACAAGGACTAAT
3699	Table 3A	Hs.1724	X01057	33812	/cds=(109,978) interleukin-2 receptor	1	AAATACAAACATTCTAATTAAAGGCTT
3099	Table 3A	113.1724	701001		,		TGCAACACATGCCTTGTCTGTTT
3700	Table 3A	Hs.95327	X01451	36774	CD3D antigen, delta polypeptide (TiT3 complex) (CD3D), mRNA /cds=(0,515)	1	GCCATTACCAACTGTACCTTCCCTTC TTGCTCAGCCAATAAATATATCCT
3701	Table 3A	Hs.1103	X02812	37092	transforming growth factor, beta 1	1	CACCAGGAACCTGCTTTAGTGGGGG
0,01	Table of t				(TGFB1), mRNA /cds=(841,2016)		ATAGTGAAGAAGACAATAAAAGATA TGGGCATGGTTGAATCTGAAACCCTC
3702	Table 3A	Hs.1217	X02994	28379	adenosine deaminase (ADA), mRNA /cds=(95.1186)	1	CTTCTGTGGCAACTTGTACTGAAA
3703	Table 3A	Hs.2233	X03656	31687		1	CTGGGGAGGAGGTCCAGGGAGGAG
			V00000	00000	factor (G-CSF)	1	GAGGAAAGTTCTCAAGTTCGTCTGAC AACTAACAGTCACGCCGTGGGATGTC
3704	Table 3A	Hs.174142	X03663	29899	colony stimulating factor 1 receptor, formerly McDonough feline sarcoma	•	TCTGTCCACATTAAACTAACAGCA
					viral (v-fms) oncogene homolog		
2705	Table 3A	Hs.14376	X04098	28338	(CSF1R), mRNA /cds=(300,3218) actin, gamma 1 (ACTG1), mRNA	1	GGTTTTCTACTGTTATGTGAGAACATT
3705	Table 3A	115.14570	X04030	20000	/cds=(74,1201)		AGGCCCCAGCAACACGTCATTGT
3706	Table 3A	Hs.74451	X04106	35327	calpain 4, small subunit (30K) (CAPN4), mRNA /cds=(158,964)	1	TTTGTCTATATTCTGCTCCCAGCCTG CCAGGCCAGGAGGAAATAAACATG
3707	Table 3A	Hs.198365	X04327	29480	2,3-bisphosphoglycerate mutase	1	TTCCTCTTTGGCCACAAGAATAAGCA
0,0,	100.00				(BPGM), mRNA /cds=(110,889)		GCAAATAAACAACTATGGCTGTTG CTCATCTAAAGACACCTTCCTTTCCA
3708	Table 3A	Hs.58685	X04391	37186	CD5 antigen (p56-62) (CD5), mRNA /cds=(72,1559)	1	CTGGCTGTCAAGCCACAGGGCACC
3709	Table 3A	Hs.93913	X04430	32673	interleukin 6 (interferon, beta 2) (IL6),	1	GCAGTTTGAATATCCTTTGTTTCAGA
				0.4007	mRNA /cds=(62,700)	1	GCCAGATCATTTCTTGGAAAGTGT CCCTGGTTGACTTGAC
3710	Table 3A	Hs.2253	X04481	34627	complement component 2 (C2), mRNA /cds=(36,2294)	'	TTCACTTTCACATGGAATTTCCCA
3711	Table 3A	Hs.2247	X04688	33835	interleukin 5 (colony-stimulating factor,	1	TCAGAGGGAAAGTAAATATTTCAGGC ATACTGACACTTTGCCAGAAAGCA
0740	Table 2A	Hs.79015	X05323	34742	eosinophil) (IL5), mRNA /cds=(44,448) MRC OX-2 gene signal sequence	1	CACAAGGTAAAGAAACTCAATTCCCC
3/12	: Table 3A	FIS.1 90 13	A03020	0-11-12	Mile Ox 2 gene dignar equality		TGCTTGGAGCCCAGCAAACACAAT
3713	Table 3A	Hs.78225	V05000	24207	annexin A1 (ANXA1), mRNA	1	TGTGGAGGAAACTAAACATTCCCTTG ATGGTCTCAAGCTATGATCAGAAG
3714		115.70220	X05908	34367	· · · · · · · · · · · · · · · · · · ·		
•					/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA	1	GGAGGAGACCAGTCCCCCACCCAGC
	Table 3A	Hs.36972	X06180	29819	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722)		GGAGGAGACCAGTCCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG
3715				29819	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline	1	GGAGGAGACCAGTCCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT
3715	Table 3A	Hs.36972	X06180	29819 34084	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951)	1	GGAGGAGACCAGTCCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT
	Table 3A	Hs.36972	X06180 X06182	29819 34084	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951) small nuclear ribonucleoprotein		GGAGGAGACCAGTCCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT CGCTGTTAGGCCGGAATTAAAGTGG
	Table 3A Table 3A	Hs.36972 Hs 81665	X06180 X06182	29819 34084	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951) small nuclear ribonucleoprotein polypeptide A (SNRPA), mRNA	1	GGAGGAGACCAGTCCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT
	Table 3A Table 3A Table 3A	Hs.36972 Hs 81665	X06180 X06182	29819 34084 37540	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951) small nuclear ribonucleoprotein polypeptide A (SNRPA), mRNA /cds=(125,973) mRNA for T-cell receptor delta	1	GGAGGAGACCAGTCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT CGCTGTTAGGCCCGGAATTAAAGTGG CTTTTTGAGGTTTGGTTT
3716 3717	Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.36972 Hs 81665 Hs.173255 Hs.2014	X06180 X06182 X06347 X06557	29819 34084 37540 37003	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951) small nuclear ribonucleoprotein polypeptide A (SNRPA), mRNA /cds=(125,973) mRNA for T-cell receptor delta /cds=UNKNOWN	1	GGAGGAGACCAGTCCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT CGCTGTTAGGCCCGGAATTAAAGTGG CTTTTTGAGGTTTGGTTT
3716	Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.36972 Hs 81665 Hs.173255	X06180 X06182 X06347 X06557	29819 34084 37540 37003 32014	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951) small nuclear ribonucleoprotein polypeptide A (SNRPA), mRNA /cds=(125,973) mRNA for T-cell receptor delta /cds=UNKNOWN serine/threonine kinase 16 (STK16), mRNA /cds=(118,1050)	1 1 1	GGAGGAGACCAGTCCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT CGCTGTTAGGCCCGAATTAAAGTGG CTTTTTGAGGTTTGGTTT
3716 3717	Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.36972 Hs 81665 Hs.173255 Hs.2014	X06180 X06182 X06347 X06557	29819 34084 37540 37003 32014	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951) small nuclear ribonucleoprotein polypeptide A (SNRPA), mRNA /cds=(125,973) mRNA for T-cell receptor delta /cds=UNKNOWN serine/threonine kinase 16 (STK16), mRNA /cds=(118,1050) protein kinase C, beta 1 (PRKCB1),	1 1	GGAGGAGACCAGTCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT CGCTGTTAGGCCGGAATTAAAGTGG CTTTTTGAGGTTTGGTTT
3716 3717 3718 3719	Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.36972 Hs 81665 Hs.173255 Hs.2014 Hs.153003	X06180 X06182 X06347 X06557 X06956	29819 34084 37540 37003 32014 35492	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951) small nuclear ribonucleoprotein polypeptide A (SNRPA), mRNA /cds=(125,973) mRNA for T-cell receptor delta /cds=UNKNOWN serine/threonine kinase 16 (STK16), mRNA /cds=(118,1050) protein kinase C, beta 1 (PRKCB1), mRNA /cds=(136,2151) membrane-spanning 4-domains,	1 1 1	GGAGGAGACCAGTCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT CGCTGTTAGGCCGGAATTAAAGTGG CTTTTTGAGGTTTGGTTT
3716 3717 3718 3719	Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.36972 Hs 81665 Hs.173255 Hs.2014 Hs.153003 Hs.77202	X06180 X06182 X06347 X06557 X06956 X07109	29819 34084 37540 37003 32014 35492	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951) small nuclear ribonucleoprotein polypeptide A (SNRPA), mRNA /cds=(125,973) mRNA for T-cell receptor delta /cds=UNKNOWN serine/threonine kinase 16 (STK16), mRNA /cds=(118,1050) protein kinase C, beta 1 (PRKCB1), mRNA /cds=(136,2151) membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of	1 1 1 1	GGAGGAGACCAGTCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT CGCTGTTAGGCCGGAATTAAAGTGG CTTTTTGAGGTTTGGTTT
3716 3717 3718 3719	Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.36972 Hs 81665 Hs.173255 Hs.2014 Hs.153003 Hs.77202	X06180 X06182 X06347 X06557 X06956 X07109	29819 34084 37540 37003 32014 35492	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951) small nuclear ribonucleoprotein polypeptide A (SNRPA), mRNA /cds=(125,973) mRNA for T-cell receptor delta /cds=UNKNOWN serine/threonine kinase 16 (STK16), mRNA /cds=(118,1050) protein kinase C, beta 1 (PRKCB1), mRNA /cds=(136,2151) membrane-spanning 4-domains,	1 1 1 1	GGAGGAGACCAGTCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT CGCTGTTAGGCCGGAATTAAAGTGG CTTTTTGAGGTTTGGTTT
3716 3717 3718 3719 3720	Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A Table 3A	Hs.36972 Hs 81665 Hs.173255 Hs.2014 Hs.153003 Hs.77202	X06180 X06182 X06347 X06557 X06956 X07109	29819 34084 37540 37003 32014 35492 29775	/cds=(74,1114) CD7 antigen (p41) (CD7), mRNA /cds=(0,722) v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA /cds=(21,2951) small nuclear ribonucleoprotein polypeptide A (SNRPA), mRNA /cds=(125,973) mRNA for T-cell receptor delta /cds=UNKNOWN serine/threonine kinase 16 (STK16), mRNA /cds=(118,1050) protein kinase C, beta 1 (PRKCB1), mRNA /cds=(136,2151) membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta	1 1 1 1	GGAGGAGACCAGTCCCCACCCAGC CGTACCAGAAATAAAGGCTTCTGTG TGTGTAAATACATAAGCGGCGTAAGT TTAAAGGATGTTGGTGTTCCACGT CGCTGTTAGGCCGGAATTAAAGTGG CTTTTTGAGGTTTGGTTT

3722	Table 3A	Hs 318885	X07834		superoxide dismutase 2, mitochondrial	1	TACTTTGGGGACTTGTAGGGATGCCT TTCTAGTCCTATTCTATT
3723	Table 3A	Hs 78056	X12451	29714	(SOD2), mRNA /cds=(4,672) cathepsin L (CTSL), mRNA	1	TCGAATCATTGAAGATCCGAGTGTGA
3/23	Table SA				/cds=(288,1289)		TTTGAATTCTGTGATATTTTCACA ATATCCAATATTCGCTGTGTCAGCAT
3724	Table 3A	Hs 193400	X12830		interleukin 6 receptor (IL6R), mRNA /cds=(437,1843)	1	AGAAGTAACTTACTTAGGTGTGGG
3725	Table 3A	Hs.856	X13274	32691	interferon, gamma (IFNG), mRNA	1	TTGTTGACAACTGTGACTGTACCCAA ATGGAAAGTAACTCATTTGTTAAA
3726	Table 3A	Hs.2299	X13444	29826	/cds=(108,608) CD8 antigen, beta polypeptide 1 (p37)	1	AAGTTTCTCAGCTCCCATTTCTACTCT
	Table 3A	Hs.234489	X13794	34314	(CD8B1), mRNA /cds=(50,682) lactate dehydrogenase B gene exon 1	1	CCCATGGCTTCATGCTTCTTTCA TCTCCATGTTGTCAAAATCATGCCGT
3727					and 2 (EC 1 1.1.27)	1	TTATAGCTATTTTCACCTCAGTGG GCCCCGTTTTGGGGACGTGAACGTTT
3728	literature	Hs.89137	X13916		low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	'	TAATAATTTTTGCTGAATTCTTTA
			X14008		(LRP1), mRNA /cds=(466,14100) nuclear receptor subfamily 4, group A,	1	AGGTGGGCACAAGTATTACACATCAG
3729	Table 3A	Hs.82120	X14000		member 2 (NR4A2), mRNA		AAAATCCTGACAAAAGGGACACAT
0700	Table 04	Hs 77424	X14356	21221	/cds=(317,2113) Fc fragment of IgG, high affinity la,	1	GTTCAACAACACCAGAACTGTGTGTC
3730	Table 3A	П\$ 17424	X14000	01001	receptor for (CD64) (FCGR1A), mRNA		TCATGGTATGTAACTCTTAAAGCA
2724	Table 24	Hs.87409	X14787	37464	/cds=(0,1124) thrombospondin 1 (THBS1), mRNA	1	TTGACCTCCCATTTTTACTATTTGCCA
3731	Table 3A				/cds=(111,3623)		ATACCTTTTTCTAGGAATGTGCT AAAGCTGTTCAAATACTCGAGCCCAG
3732	Table 3A	Hs.289088	X15183	32487	heat shock 90kD protein 1, alpha (HSPCA), mRNA /cds=(60,2258)	1	TCTTGTGGATGGAAATGTAGTGCT
3733	Table 3A	Hs.339703	X16277	35137	zv26f06.r1 cDNA, 5' end	1	CTTAAGTCTGACGGACCTGTCCTGTC CAGGCCAGTGCCCAGGGAAGGTGT
0704	Table 2A	Hs.50964	X16354	37197	/clone=IMAGE:754787 /clone_end=5' mRNA for transmembrane	1	TTTCTAACCCTGACACGGACTGTGCA
3734	Table 3A	HS,50804	X10004	01 101	carcinoembryonic antigen BGPa		TACTTTCCCTCATCCATGCTGTGC
2725	Table 3A	Hs.154672	¥16396	35070	(formerly TM1-CEA) /cds=(72,1652) methylene tetrahydrofolate	1	CAGCAGCTGCCTGCTTTTCTGTGATG
3735	Table 3A	115.104012	X10000	000.0	dehydrogenase (NAD+ dependent),		TATGTATCCTGTTGACTTTTCCAG
					methenyltetrahydrofolate cyclohydrolase (MTHFD2), nuclear gene encoding		
					mitochondrial protein, mRNA		
3736	Table 3A	Hs.14601	X16663	32054	/cds=(76,1110) hematopoietic cell-specific Lyn	1	TCCCTGAAGAAATATCTGTGAACCTT
3/30	I able SA	113.17001			substrate 1 (HCLS1), mRNA		CTTTCTGTTCAGTCCTAAAATTCG ATGGGAGTAATAAGAGCAGTGGCAG
3737	Table 3A	Hs.176663	X16863	31321	leukocyte IgG receptor (Fc-gamma-R) mRNA, complete cds /cds=(17,718)	1	CAGCATCTCTGAACATTTCTCTGGA
3738	Table 3A	Hs.271986	X17033	33906	integrin, alpha 2 (CD49B, alpha 2	1	ACCCATTTCTACTTTTTGCACCTTATT TTCTCTGTTCCTGAGCCCCCACA
					subunit of VLA-2 receptor) (ITGA2), mRNA /cds=(42,3587)		HEICIGITECTGAGGCCCCAGA
3739	Table 3A	Hs.1908	X17042	32432	proteoglycan 1, secretory granule	1	TGTGTTTGCAGAGCTAGTGGATGTGT TTGTCTACAAGTATGATTGCTGTT
3740	Table 3A	Hs.342863	X17094	31477	(PRG1), mRNA /cds=(24,500) tg48f06.x1 cDNA, 3' end	1	GGCCCAGCATTGCTGGTTCTATTTAA
	, Table of				/clone=IMAGE:2112035 /clone_end=3'	1	TGGACATGAGATAATGTTAGAGGT TGAATATAATATTTTGTGTATTTAAC
3741	Table 3A	Hs.198951	X51345	34014	jun B proto-oncogene (JUNB), mRNA /cds=(253,1296)	•	AGGGAGGGAAGAGGGGGGGATC
3742	Table 3A	Hs.3268	X51757	35221	heat shock 70kD protein 6 (HSP70B') (HSPA6), mRNA /cds=(0,1931)	1	TGGCACTTTAACATTGCTTTCACCTAT ATTTTGTGTACTTTGTTACTTGC
3743	3 Table 3A	Hs.76053	X52104	35219	DEAD/H (Asp-Glu-Ala-Asp/His) box	1	AGTAAATGTACAGTGATTTGAAATAC
					polypeptide 5 (RNA helicase, 68kD) (DDX5), mRNA /cds=(170,2014)		AATAATGAAGGCAATGCATGGCCT
3744	Table 3A	Hs.323098	3 X52142	30292	cDNA FLJ23458 fis, clone HSI07327	1	CTTAATGTGACCTAGCAATAGGCATA
9745	- litoraturo	Hs.99987	X52221	31215	/cds=UNKNOWN ERCC2 gene, exons 1 & 2 (partial)	1	GCTACGTGGCACTATATTCTGGCC AGGAGCACCTCACAGATGCCAACCT
3745	5 literature				/cds=UNKNOWN		CAACCTGACCGTGGACGAGGGTGTC
3746	3 Table 3A	Hs.278544	X52882	311380	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	1	CCACGACTTCTGCCCATTCTCTCCAG TGTGTGTAACAGGGTCACAAGAAT
					(ACAT2), mRNA /cds=(37,1230)	4	GGCCCAAACCTATTTGTAACCAAAGA
3747	7 Table 3A	Hs.85266	X53587	33950	integrin, beta 4 (ITGB4), mRNA /cds=(126,5384)	1	GCTGGGAGCAGCACAAGGACCCAG
3748	B Table 3A	Hs.117950	X53793	28383	multifunctional polypeptide similar to	1	GCGAGCAAGCATTTTGAACACATGGA TTTCCTTGAAGCAGGCTGACAAGA
					SAICAR synthetase and AIR carboxylase (ADE2H1), mRNA		
374	9 Table 3A	NA	X53795	35832	R2 mRNA for an inducible membrane	1	TCGGATGGGCTGTTTAGATGTTATAT AATCCACAAAAGGTTCATTGAGCT
375	0 Table 3A	Hs.10593	8 X53961	34415	protein lactotransferrin (LTF), mRNA	1	GGATTGCCCATCCATCTGCTTACAAT
					/cds=(294,2429) glutamyl-prolyl-tRNA synthetase	1	TCCCTGCTGTCGTCTTAGCAAGAA AAAATGAAGTCACACAGGACAATTAT
375	1 Table 3A	Hs 55921	X54326		(EPRS), mRNA /cds=(58,4380)		TCTTATGCCTAAGTTAACAGTGGA
375	2 Table 3A	Hs.789	X54489	34625	 GRO1 oncogene (melanoma growth stimulating activity, alpha) (GRO1), 	1	GCCTTGTTTAATGGTAGTTTTACAGT GTTTCTGGCTTAGAACAAAGGGGC
					mRNA /cds=(79,402)		

Table 8

3753	Table 3A	Hs 74085	X54870	35062	DNA segment on chromosome 12 (unique) 2489 expressed sequence	1	AGTGCCTTCCCTGCCTGTGGGGGTC ATGCTGCCACTTTTAATGGGTCCTC
3754	Table 3A	Hs 83758	X54942	29978	(D12S2489E), mRNA /cds=(338,988) CDC28 protein kinase 2 (CKS2), mRNA /cds=(95,334)	1	TTCCAGTCAGTTTTTCTCTTAAGTGCC TGTTTGAGTTTACTGAAACAGTT
3755	Table 3A	Hs.283330	X55733	8924082	hypothetical protein PRO1843 (PRO1843), mRNA /cds=(964,1254)	1	TCCAATGCAGTCCCATTCTTTATGGC CTATAGTCTCACTCCCAACTACCC
3756	Table 3A	Hs.312670	X55740	23896	xn42c03.x1 cDNA, 3' end /clone=IMAGE 2696356 /clone_end=3'	1	TGGTATAAGAAATGACTTTGAACCAC TTTGCAATTGTAGATTCCCAACAA
3757	Table 3A	Hs 85112	X57025	33007	IGF-I mRNA for insulin-like growth factor I /cds=(166,627)	1	CCCCTGCTACTTTGAAACCAGAAAAT AATGACTGGCCATTCGTTACATCT
3758	Table 3A	Hs.279920	X57346	23113	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide (YWHAB), mRNA	1	TGATCTGTCCAGTGTCACTCTGTACC CTCAACATATATCCCTTGTGCGAT
3759	Table 3A	Hs 74405	X57347	32463	/cds=(372,1112) tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide (YWHAQ), mRNA	1	AAAAGCCTTGTGAAAATGTTATGCCC TATGTAACAGCAGAGTAACATAAA
3760	Table 3A	Hs 289110	X57809	33714	/cds=(100,837) rearranged immunoglobulin lambda light chain mRNA /cds=(9,710)	1	CCACCACGGGAGACTAGAGCTGCAG GATCCCGGGGGGAGGGGTCTCTCCTC
3761	Table 3A	Hs.289110	X57812	33723	rearranged immunoglobulin lambda light chain mRNA /cds=(9,710)	1	CAGTGGAAGTCCCACAGAAGCTACA GCTGCCAGGTCACGCATGAAGGGAG
3762	Table 3A	Hs.302063	X58529	33480	rearranged immunoglobulin mRNA for mu heavy chain enhancer and constant region /cds=UNKNOWN	1	CCCACACTGCTTTGCTGTGTATACGC TTGTTGCCCTGAAATAAATATGCA
3763	Table 3A	Hs 302063	X58529	33480	rearranged immunoglobulin mRNA for mu heavy chain enhancer and constant region /cds=UNKNOWN	1	CCCACACTGCTTTGCTGTGTATACGC TTGTTGCCCTGAAATAAATATGCA
3764	Table 3A	Hs.155101	X59066	28937	Homo sapiens ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac	1	ACAAATTTCTTGGCTGGATTTGAAGC TTAAACTCCTGTGGATTCACATCA
3765	Table 3A	Hs 83532	X59405	34508	H.sapiens, gene for Membrane cofactor protein /cds=UNKNOWN	1	AGAGACCAGTTTTCTCTGGAAGTTTG TTTAAATGACAGAAGCGTATATGA
3766	literature	Hs.861	X60188	31220	ERK1 mRNA for protein serine/threonine kinase /cds=(72,1211)	1	CGCCCTGCCACCTCCCTGACCCGT CTAATATATAAATATAGAGATGTGT
3767	Table 3A	Hs.81634	X60221	509290	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit b, isoform 1 (ATP5F1), mRNA	1	GCCAGTCAGATGTTTCTCATCCTTCT TGCTCTGCCTTTGAGTTGTTCCGT
3768	Table 3A	Hs.44926	X60708	35335	dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2) (DPP4), mRNA	1	AAATACTGATGTTCCTAGTGAAAGAG GCAGCTTGAAACTGAGATGTGAAC
3769	Table 3A	Hs.81226	X60992	29817	CD6 mRNA for T cell glycoprotein CD6 /cds=(120,1526)	1	AGAAGCTGCACTAGGCCCCGAGTCC CCATGTGTCTCCTTGAATTGATGAG
3770	Table 3A	Hs.77054	X61123	29508	B-cell translocation gene 1, anti- proliferative (BTG1), mRNA	1	AAGTCTTTTCCACAAACCACCATCTAT TTTGTGAACTTTGTTAGTCATCT
3771	Table 3A	Hs 76913	X61970	296739		1	AAATTTTATTTCCAGCTCCTGTTCCTT GGAAAATCTCCATTGTATGTGCA
3772	Table 3A	Hs.276770	X62466	29645	CDW52 antigen (CAMPATH-1 antigen) (CDW52), mRNA /cds=(24,209)	1	CCTGAAACAGCTGCCACCATCACTCG CAAGAGAATCCCCTCCATCTTTGG
3773	Table 3A	Hs.80684	X62534	32332	high-mobility group (nonhistone chromosomal) protein 2 (HMG2), mRNA /cds=(190,819)	1	TTCTGTGTGTATGGTAGCACAGCAAA CTTGTAGGAATTAGTATCAATAGT
3774	Table 3A	Hs.172690	X62535	30822	diacylglycerol kinase, alpha (80kD) (DGKA), mRNA /cds=(103,2310)	1	ACACACATACACACACCCCAAAACAC ATACATTGAAAGTGCCTCATCTGA
3775	Table 3A	Hs 77522	X62744	36062	major histocompatibility complex, class II, DM alpha (HLA-DMA), mRNA /cds=(45,830)	1	GATCTCCTCTTAGGGTAGAAGAAGTC TCTGGGACATCCCTGGGGTGTGTG
3776	Table 3A	Hs.296014	X63563	36121	polymerase (RNA) II (DNA directed) polypeptide B (140kD) (POLR2B), mRNA /cds=(43,3567)	1	GGCTGCCGCAATAAAACCCAGATTTC TTTGGTGCGAATGCCTTACGCATG
3777	Table 3A	Hs.82359	X63717	28741	tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), mRNA /cds=(220,1227)	1	TCATCATCTGGATTTAGGAATTGCTC TTGTCATACCCCCAAGTTTCTAAG
3778	db mining	Hs.2490	X65019	33792	caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase) (CASP1), mRNA	1	TGCCCACCACTGAAAGAGTGACTTTG ACAAGATGTTTCTACCTCTTCCCA
3779	Table 3A	Hs 75248	X68060	37230	topoisomerase (DNA) II beta (180kD) (TOP2B), mRNA /cds=(0,4865)	1	TTTGATCAGGATTCAGATGTGGACAT CTTCCCCTCAGACTTCCCTACTGA
3780	Table 3A	Hs 652	X68550	37269	tumor necrosis factor (ligand) superfamily, member 5 (hyper-lgM syndrome) (TNFSF5), mRNA	1	TCTACCTGCAGTCTCCATTGTTTCCA GAGTGAACTTGTAATTATCTTGTT
					•		

Table 8

3781	Table 3A	Hs 116774	X68742		mRNA for integrin, alpha subunit	1	CGGATTGTTGCTGTTAATGCTGCTCA . TTTTAGCACTGTGGAAGATTGGAT
3782	Table 3A	Hs 77502	X68836	36326	Homo sapiens, methionine	1	TAGAGATTGTGAAGAAGAATTTCGAT CTCCGCCCTGGGGTCATTGTCAGG
					adenosyltransferase II, alpha, clone MGC 4537 IMAGE:3010820, mRNA,		CICCGCCTGGGGTCATTGTCAGG
					complete cds /cds=(116,1303)		0.700.700.700.700.700.700.700.700.700.7
3783	Table 3A	Hs 192760	X69392		kinesin family member 5A (KIF5A), mRNA /cds=(148,3246)	1	CTCCTGTTGGGTAAGGGTGTTGAGTG TGACTTGTGCTGAAAACCTGGTTC
3784	Table 3A	Hs 83715	X69804		Sjogren syndrome antigen B	1	AAAAGGAAAACCGAATTAGGTCCACT
0.0.					(autoantigen La) (SSB), mRNA mRNA; cDNA DKFZp434E0516 (from	1	TCAATGTCCACCTGTGAGAAAGGA GGAAGAACCGTCCAGAGCTGAGTGA
3785	Table 3A	Hs.309952	X69819		clone DKFZp434E0516)	•	CGCTGGGATCCGGGATCAAAGTTGG
3786	Table 3A	Hs.170009	X70340		transforming growth factor, alpha	1	TGTGCATTGTTATTGAGTTGTACTGTA CCTTATTTGGAAGGATGAAGGAA
3787	Table 3A	Hs 180610	X70944	38457	(TGFA), mRNA /cds=(31,513) splicing factor proline/glutamine rich	1	CCCATTTCTTGTTTTTAAAAGACCAAC
3/0/	rable SA	113 100010	7(70044	00101	(polypyrimidine tract-binding protein-		AAATCTCAAGCCCTATAAATGGC
					associated) (SFPQ), mRNA /cds=(85,2208)		
3788	Table 3A	Hs.106876	X71490	313011	Homo sapiens, clone MGC 15351	1	AGAAGCATGTCACCTCACACCCC
					IMAGE:4126712, mRNA, complete cds /cds=(87,1142)		CCTAACTCCCTGACCTGAGAACCC
3789	Table 3A	Hs.251526	NM_006273	13435401	gene for monocyte chemotactic protein-	1	GGATGCTCCTCCCTTCTCTACCTCAT
		11- 450440	V70475	441410	3 (MCP-3) /cds=(0,329) cDNA: FLJ21321 fis, clone COL02335,	1	GGGGGTATTGTATAAGTCCTTGCA GCACCATCTGTCTTCATCTTCCGCCA
3790	Table 3A	Hs.156110	X/24/5	441410	highly similar to HSA010442 mRNA for	•	TCTGATGAGCAGTTGAAATCTGGA
					immunoglobulin kappa light chain /cds=UNKNOWN		
3791	Table 3A	Hs.156110	X72475	441418	cDNA: FLJ21321 fis, clone COL02335,	1	GCACCATCTGTCTTCATCTTCCGCCA
0,0,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			highly similar to HSA010442 mRNA for		TCTGATGAGCAGTTGAAATCTGGA
					immunoglobulin kappa light chain /cds=UNKNOWN		
3792	Table 3A	Hs.79081	X74008	402777	protein phosphatase 1, catalytic subunit, gamma isoform (PPP1CC),	1	AAAAGAAATCTGTTTCAACAGATGAC CGTGTACAATACCGTGTGGTGAAA
					mRNA /cds=(154,1125)		
3793	Table 3A	Hs.331328	X74262	397375	intermediate filament protein syncoilin (SYNCOILIN), mRNA /cds=(168,623)	1	GGCCTGTTACTCTCCATGACTAACTG TGTAAGTGCTTAAAATGGAATAAA
3794	Table 3A	Hs.1708	X74801	671526	chaperonin containing TCP1, subunit 3	1	GGCAGCCCCAGTCCCTTTCTGTCC
			V75040	400040	(gamma) (CCT3), mRNA /cds=(0,1634) v-rel avian reticuloendotheliosis viral	1	CAGCTCAGTTTTCCAAAAGACACTG TCTTGATACCACCTATATAGATGCAG
3795	Table 3A	Hs.44313	X75042	402040	oncogene homolog (REL), mRNA	•	CATTTTGTATTTGTCTAACTGGGG
			V-2	455440	/cds=(177,2036) splicing factor, arginine/serine-rich 2	1	CGGGCCTTGCATATAAATAACGGAGC
3796	Table 3A	Hs.73965	X75755	455418	(SFRS2), mRNA /cds=(155,820)	•	ATACAGTGAGCACATCTAGCTGAT
3797	Table 3A	Hs.74637	X75861	456258	testis enhanced gene transcript (TEGT), mRNA /cds=(40,753)	1	CTGTGCTTTTTGCTTGGGATAATGGA GTTTTTCTTTAGAAACAGTGCCAA
3798	Table 3A	Hs.79362	X75918	415822	p130 mRNA for 130K protein	1	TTGAGGGGATTAATATGAAAACTTAT
			V70004	446020	/cds=(69,3488) p130 mRNA for 130K protein	1	GACCTCTTCCTTTAGGAGGGAGTT TGTTAAAACCCCTATAGCCACCTTTT
3799	Table 3A	Hs.79362	X76061	416030	/cds=(69,3488)	•	GGGAATGTTTTAAATTCTCCAGTT
3800	Table 3A	Hs.83347	X76302	431952	angio-associated, migratory cell protein (AAMP), mRNA /cds=(0,1358)	1	TGGCAGGCGTCAACCCCATTTTATTT GTCCTTATTCCTGTGGAAGCAGTA
3801	Table 3A	Hs.85226	X76488	434305	lipase A, lysosomal acid, cholesterol	1	AATACACCTGCTTCACGTCCCTATGT
					esterase (Wolman disease) (LIPA), mRNA /cds=(40,1239)		TGGGAAGTCCATATTTGTCTGCTT
3802	Table 3A	Hs.334648	3 X76770	556782	PAP mRNA /cds=UNKNOWN	1	CAGGAAATGCAGCAACTTCAGGAAAT
2002	Table 24	Hs.76136	X77584	453963	thioredoxin (TXN), mRNA	1	GCAGCAACAAAAATACCTACTCCT AAACCCAGTTGCCATCTGCGTGACAA
3603	Table 3A	113.70100	7(1700-1		/cds=(63,380)		TAAAACATTAATGCTAACACTTTT TGCTGTATTACTTCTGAAAAGACTGT
3804	Table 3A	Hs.85155	X79067	483524	ERF-1 mRNA 3' end /cds=UNKNOWN	1	GCAGTGTTAGTTGTTGGCTGAA
3805	Table 3A	Hs 15322	1 X79201	531105	synovial sarcoma translocation,	1	GTGTATGAGAGAGAGAGTGTGTTT GTGTGTTTCAAGGTCAGAACAGGT
					chromosome 18 (SS18), mRNA /cds=(3,1178)		
3806	Table 3A	Hs.17994	3 X79234	495125	ribosomal protein L11 (RPL11), mRNA	1	TGGTTCCAGCAGAAGTATGATGGGAT CATCCTTCCTGGCAAATAAATTCC
3807	7 Table 3A	Hs.74576	X79353	695584	/cds=(0,536) GDP dissociation inhibitor 1 (GDI1),	1	TGTCCCCTTCCCCACCCTCTAGTGTA
					mRNA /cds=(80,1423)	1	TTTCACAGAAAACAAAACCTCCCA AGTCCAGTTTTATGATTCTGCTTTTAT
3808	3 Table 3A	Hs 7957	X79448	2326523	adenosine deaminase, RNA-specific (ADAR), transcript variant ADAR-a,	'	GTGTCCCTTGATAACAGTGACTT
		11- 04040	F V70500	40000	mRNA /cds=(187,3867)	1	AAACTCATCTGTCCAAGTTCGTGGCA
3809	9 Table 3A	Hs.24949	5 X79536	496897	heterogeneous nuclear ribonucleoprotein A1 (HNRPA1),	'	GAAAGGAACGTCCTTGTGAAGACC
	n T-61-04	110 45440	4 Vonene	619490	transcript variant 2, mRNA oxidase (cytochrome c) assembly 1-like	1	AGAGCACTGGGTAGCCAAGTGATCTT
3810	Table 3A	⊓s.15113	4 X80695	019490	(OXA1L), mRNA /cds=(0,1487)	•	CCCATTCACAGAGTTAGTAAACCT

3811	Table 3A	Hs 77897	X81789		splicing factor 3a, subunit 3, 60kD (SF3A3), mRNA /cds=(8,1513)	1	CCCCCAGAGACCCCATTTGCCTCTCA ACACTCAGACCTTCAACTGTTTTT
3812	Table 3A	Hs 318501	X82200		stimulated trans-acting factor (50 kDa) (STAF50), mRNA /cds=(122,1450)	1	CCAGTGACACCCCATATTCATCACAA AATTAAAGCAAGAAGTCCATAGTA
3813	Table 3A	Hs 153961	X82206		ARP1 (actin-related protein 1, yeast) homolog A (centractin alpha)	1	TGACACCAAGACCCACCCCAATCCAG ACTTCACACAGTATTCTCCCCCAC
3814	Table 3A	Hs 289103	X83300	603028	(ACTR1A), mRNA /cds=(57,1187) SMA4 mRNA /cds=(66,488)	1	GACTGCAAGTCACTCTTAGGGGCTGT ACTTCCTTAGTACTGGTAGCATTA
3815	Table 3A	Hs.160483	X85116	1161561	epb72 gene exon 1 /cds=(61,927)	1	AACTGAGCATCACGAACCCTGTTTGG CAGACTGAGGTCACGATGGAGGGG
3816	Table 3A	Hs 24143	X86019	2760482	Wiskott-Aldrich syndrome protein interacting protein (WASPIP), mRNA /cds=(108,1619)	1	TCCTCCATTGAAGAAGAATGTCAACA AGAAAGGAAAAATAGACAAACTGG
3817	Table 3A	Hs 75410	X87949	1143491	mRNA for BiP protein /cds=(222,2183)	1	AAGTCTCGAATGTAATTGGAATCTTC ACCTCAGAGTGGAGTTGAACTGCT
3818	Table 3A	Hs.2007	X89102	887455	tumor necrosis factor (ligand) superfamily, member 6 (TNFSF6), mRNA /cds=(157,1002)	1	CCATCGGTGAAACTAACAGATAAGCA AGAGAGATGTTTTGGGGACTCATT
3819	Table 3A	Hs.180433	X89602	1150420	rTS beta protein (HSRTSBETA), mRNA /cds=(17,1267)	1	ACAAAAATAGCTATATCAAGGGCTGG CACCTAGACATTAAACTGTACTTT
3820	Table 3A	Hs.13046	X91247	1237037	thioredoxin reductase 1 (TXNRD1), mRNA /cds=(439,1932)	1	GTCCACCAGTCTCTGAAATTAGAACA GTAGGCGGTATGAGATAATCAGGC
3821	Table 3A	Hs.335328	X91348	1418768	predicted non coding cDNA (DGCR5) /cds=UNKNOWN	1	GAAATGTAGCTGGAGTCATCATTTAG CAGAGCACGGTGTCCCTGGGTTGG
3822	Table 3A	Hs.2726	X92518	1225979	mRNA for HMGI-C protein /cds=(848,1177)	1	GCCTCTGTGATCCCCATGTGTTTTGA TTCCTGCTCTTTGTTACAGTTCCA
3823	Table 3A	Hs.78335	X94232	1292867		1	AAAACAAGAAACAAATGTGCCCACCC CACTTTCCGCTTAACTGAAAAGCT
3824	Table 3A	Hs.75841	X94910	3413292	chromosome 12 open reading frame 8 (C12orf8), mRNA /cds=(11,796)	1	GTAAAAAGGCTGTCTGTGATTTTCCA GGGTTTGGTGGGGGGTAGGGAGGGG
3825	Table 3A	Hs.3416	X97324	1806039		1	CTGACTGAGTCTCAGAATGCTCAGGA CCAAGGTGCAGAGATGGACAAGAG
3826	Table 3A	Hs.100555	X98743	1498228	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 18 (Myc-regulated) (DDX18), mRNA /cds=(71,2083)	1	AGCTTCTTGGGTTCCTAATTCCTGGT GTTTAATAATTCTCTCCACGATCA
3827	Table 3A	Hs.139262	X99699	1869900	XIAP associated factor-1 (HSXIAPAF1), mRNA /cds=(0,953)	1	TACTTGCTGTGGTGGTCTTGTGAAAG GTGATGGGTTTTATTCGTTGGGCT
3828	Table 3A	Hs.170121	Y00062	34275	protein tyrosine phosphatase, receptor type, C (PTPRC), mRNA	1	ATTTCCAGTGAGCTTATCATGCTGTC TTTACATGGGGTTTTCAATTTTGC
3829	Table 3A	Hs.51077	Y00093	35175	integrin, alpha X (antigen CD11C (p150), alpha polypeptide) (ITGAX), mRNA /cds=(58,3549)	1	TGCAGCTCACCAGCCCCAGGGGCAG AAGAGACCCAACCACTTCCTATTTT
3830	Table 3A	Hs.169476	Y00282	36048		1	ACTTACCCAGATGTTGCTTTTGAAAA GTTGAAATGTGTAATTGTTTTGGA
3831	Table 3A	Hs.76473	Y00285	33054		1	TGTATATAGACTCTGGTGTTCTATTG CTGAGAAGCAAACCGCCCTGCAGC
3832	Table 3A	Hs.172182	Y00345	35569	poly(A)-binding protein, cytoplasmic 1 (PABPC1), mRNA /cds=(502,2403)	1	ATGTCAGTTCTGTTTTAAGTAACAGAA TTGATAACTGAGCAAGGAAACGT
3833	Table 3A	Hs.180414	Y00371	32466	hsc70 gene for 71 kd heat shock cognate protein	1	TTGGAGCTAAGCTGCCACCTGGTTAA TTAAGGTCCCAACAGTGAGTTGTG
3834	Table 3A	Hs.233950	Y00503	34038	serine protease inhibitor, Kunitz type 1 (SPINT1), mRNA /cds=(175,1716)	1	CTTTGGAGGGTGTCTTCTGGGTAGAG GGATGGGAAGGAAGGGACCCTTAC
3835	Table 3A	Hs.75716	Y00630	35267	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2	1	TGCCTTTAATTGTTCTCATAATGAAGA ATAAGTAGGTACCCTCCATGCCC
3836	Table 3A	Hs.79368	Y07909	1542882	(SERPINB2), mRNA /cds=(72,1319) epithelial membrane protein 1 (EMP1), mRNA /cds=(218,691)	1	ATTTGCATTACTCTGGTGGATTGTTCT AGTACTGTATTGGGCTTCTTCGT
3837	Table 3A	Hs.113503	Y08890	2253155	Homo spaiens mRNA for Ran_GTP binding protein 5 (RanBP5(Importin5) gene) /cds=(236,3529)	1	TTTGGCTTAGTGTTTTCATTGCAAATT ATAATTGCTGTAGAGCCACACAC
3838	Table 3A	Hs.227817	Y09397	1694788	BCL2-related protein A1 (BCL2A1), mRNA /cds=(183,710)	1	TTGATGATGTAACTTGACCTTCCAGA GTTATGGAAATTTTGTCCCCATGT
3839	Table 3A	Hs 43913	Y09631	3925684	PIBF1 gene product (PIBF1), mRNA	1	AACAAAAGATGAAGACCTAGTGTTTT GGATGGGAAGCACCTGTAGACCAT
3840	Table 3A	Hs 44499	Y09703	4581462	/cds=(0,2276) 2 pinin, desmosome associated protein (DNN) mRNA (cds=(30,2361)	1	ACATGTGCAAATAAATGTGGCTTAGA CTTGTGTGACTGCTTAAGACTAAA
3841	Table 3A	Hs.47007	Y10256	1841433	(PNN), mRNA /cds=(30,2261) mitogen-activated protein kinase kinase kinase 14 (MAP3K14), mRNA	1	TCTGGGTTGTAGAGAACTCTTTGTAA GCAATAAAGTTTGGGGTGATGACA
3842	: Table 3A	Hs.7879	Y10313	2706510	/cds=(232,3075) interferon-related developmental regulator 1 (IFRD1), mRNA	1	CGAACCAAAGCTAGAAGCAAATGTCG AGATAAGAGAGCAGATGTTGGAGA

Table 8

3843	Table 3A	Hs 51957	Y11251		splicing factor, arginine/serine-rich 2, interacting protein (SFRS2IP), mRNA /cds=(1210,4656)	1	CACTCTTCACCTATTGTATGACCAAAT AAAGGTTATGCTGCTTGTTACGC
3844	Table 3A	Hs.129953	Y11289		Ewing sarcoma breakpoint region 1 (EWSR1), transcript variant EWS,	1	TGCTAGGTGATGGAGTAGAAATGGAT TCCCTCTGGGAATGGTTTCTTGGT
3845	Table 3A	Hs.106019	Y13247	2117158	mRNA /cds=(43,2013) protein phosphatase 1, regulatory	1	TATGAAAACAGTGGATTGGTTGGGTT TTGTGCAGGGTCTTGGGTTAGAGC
3846	Table 3A	Hs 16530	Y13710	2326515	subunit 10 (PPP1R10), mRNA small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and	1	TGCATGGATCAATCAGTGTGATTAGC TTTCTCAGCAGACATTGTGCCATA
3847	Table 3A	Hs.17883	Y13936	2315201	activation-regulated (SCYA18), mRNA protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform	1	CTCATCACCGGTTCTGTGCCTGTGCT CTGTTGTGTTGGAGGGAAGGACTG
3848	Table 3A	Hs.195175	Y14039	2653415	(PPM1G), mRNA /cds=(24,1664) mRNA for CASH alpha protein /cds=(481,1923)	1	GCAGCACACTCTGAGAAAGAAACTTA TCCTCTCCTACACATAAGAAACCA
3849	Table 3A	Hs.227913	Y15906	5327056	API5-like 1 (API5L1), mRNA /cds=(132,1646)	1	TGCAAGACACCTGTTTATCATCTTGTT TAAATGTAAATGTCCCCTTATGC
3850	Table 3A	Hs.85951	Y16414	2924334	exportin, tRNA (nuclear export receptor for tRNAs) (XPOT), mRNA	1	TCAACGCCAATATGTATTCTACAAAA GAGAATGGTTTTAGGCTCCAGTGT
3851	Table 3A	Hs.271387	Y16645	2916795	mRNA for monocyte chemotactic protein-2 /cds=(472,771)	1	TGGATCATCAAGGTGAAACACTTTGG TATTCTTTGGCAATCAGTGCTCCT
3852	Table 3A	Hs.337737	Y17829	4128042	Homer, neuronal immediate early gene, 1B (SYN47), mRNA	1	GATACACTGTCTCTCTTCATAGGACT GTTTAGGCTCTGCATCAAGATTGC
3853	Table 3A	Hs.247792	Z00013	33149	germline gene for the leader peptide and variable region of a kappa immunoglobulin (subgroup V kappa I)	1	AAGGCAGGGATCATGACACCTGAGG AGTCTAGTTTATGGCTTCAGTTGGA
3854	Table 3A	Hs.173936	Z17227	393378	mRNA for transmebrane receptor protein /cds=(43,1020)	1	ATGGATGGACTGATCTGAAAATCGAC CTCAACTCAAGGGTGGTCAGCTCA
3855	Table 3A	Hs.211577	Z22551	296163	kinectin 1 (kinesin receptor) (KTN1), mRNA /cds=(83,3985)	1	TGCTAATGTAATCGGTTTTTGTAATG GCGTCACAAATAAAAGGATGCTTA
3856	Table 3A	Hs.82401	Z22576	397938	CD69 antigen (p60, early T-cell activation antigen) (CD69), mRNA	1	TGCAAGACATAGAATAGTGTTGGAAA ATGTGCAATATGTGATGTG
3857	Table 3A	Hs.74076	Z22970	312145	mRNA for M130 antigen cytoplasmic variant 2 /cds=(101,3571)	1	AAGTTTGTGAATGTGACTACTTAGTG GTGTATATGAGACTTTCAAGGGAA
3858	Table 3A	Hs.146381	Z23064	3256006	RNA binding motif protein, X chromosome (RBMX), mRNA	1	CCATTTTGCCTTTCTGACATTTCCTTG GGAATCTGCAAGAACCTCCCCTT
3859	Table 3A	Hs.225160	Z23090	433597		1	CTGTGCCTCCCCCGCCACCTGTGTG TTCTTTTGATACATTTATCTTCTGT
3860	Table 3A	Hs.4934	Z24724	505034	polyA site DNA /cds=UNKNOWN	1	TGTATATTTATGGTGGGAGGTGGTTG GGAACTTTTAACAAAATGGGGTGT
3861	Table 3A	Hs.2236	Z29067	479172	nek3 mRNA for protein kınase /cds=(0,1379)	1	TCCTTTGGAAACAGAATGAAGCAGAG GAAACTCTTAATACTTAAAATCGT
3862	Table 3A	Hs.109918	Z35227	609016	• • •	1	TTGCCCAGGCCAGTTAGAAAATCCCT TGGGGAACTGTGATGAATATTCCA
3863	Table 3A	Hs.198427	Z46376	587201		1	CTAGTCATAGAAATACCTCATTCGCC TGTGGGAAGAGAAGGGAAGCCTCT
3864	Table 3A	Hs.171626	Z 47087	860989		1	ATGTGGTAAAACCCAGAAAGCATCCA TCATGAATGCAAGATACTTTCAAT
3865	Table 3A	Hs 180877	Z48950	761715	clone PP781 unknown mRNA /cds=(113,523)	1	TGCTTGATTAAGATGCCATAATAGTG CTGTATTTGCAGTGTGGGCTAAGA
3866	Table 3A	Hs 83465	Z49995	895841		1	TCTTCTGTTTCATCCTGCGGTTCTGG AACCAGATTTTGACTTGCGTGTCA
3867	Table 3A	Hs.78683	Z72499	1545951	ubiquitin specific protease 7 (herpes virus-associated) (USP7), mRNA	1	CCTTCAGTTATACTTTCAATGACCTTT TGTGCATCTGTTAAGGCAAAACA
3868		Hs.51077	M81695	487829	/cds=(199,3507) integrin, alpha X (antigen CD11C (p150), alpha polypeptide) (ITGAX),	1	ATGCATCTACCGCTCCTTGGGAAATA ATCTGAAAGGTCTAAAAATAAAAA
3869	Table 3A	Hs.113029	BF025727	10733439	mRNA /cds=(58,3549) ribosomal protein S25 (RPS25), mRNA /cds=(63,440)	1	CGCAAGAAGCAGGAAGAGGAAAGAG AAGAAAAGCACAACGGGGAAAGATA
3870	Table 3A	Hs 150675	BF028489	10736201	polypeptide K (7.0kD) (POLR2K),	1	GTAGTGTGTTGCATCCCTCTCACCCT CTGATCTTCGTCAGTCGTGTCATG
3871	Table 3A	Hs 74170	BF028896	10736608	mRNA /cds=(66,242) 602708243F1 cDNA, 5' end	1	GAGGGAAACCCGGTAATAGGCTGGG AGTAATCCACACACGTGCTAACATT
3872	Table 3A	Hs.199061	BF029654	10737366	/clone=IMAGE:4844914 /clone_end=5' p300/CBP-associated factor (PCAF), mRNA /cds=(458,2956)	1	CACACACTGCTACGTGCTACATT CACACACTGCTACGTGACGTACCACT ACTGCCAGCGCAGCACTAGCTCAC
3873	Table 3A	Hs.13268	BF029796	10737508	602634117F1 cDNA, 5' end /clone=IMAGE:4779149 /clone_end=5'	1	GGATCGTGACACACCGGGTTACACA CTTTCCACACCGTAATTCCATCAAT
3874	Table 3A	Hs.149595	BF029894	10737606	601557056F1 cDNA, 5' end /clone=IMAGE.3827172 /clone_end=5'	1	GGTTGCACCAAGGCTGCCTAGGAGA AGTGCCTGACTGGACTACCCCGATC
3875	Table 3A	Hs.118303	BF030930	10738642	601558648F1 cDNA, 5' end /clone=IMAGE 3828706 /clone_end=5'	1	TCTGCCATCTGTCTATTTCCCAATTTT CCTTCTGACTGTTCCTTTCTCCT

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3876	Table 3A	Hs.337986	BF033741	10741453	Homo sapiens, clone MGC 17431 IMAGE 2984883, mRNA, complete cds	1	CTGTGATATTTTGGTCATGGGCTGGT CTGGTCGGTTTCCCATTTGTCTGG
3877	Table 3A	Hs.144559	BF036686	10744746	/cds=(1336,1494) 601459771F1 cDNA, 5' end /clone=IMAGE.3863248 /clone end=5'	1	TACGACATTTGCGAAATTCGCTAAAA ACAAGGGGGAGTTCACGCGGCCAT
3878	Table 3A	Hs 39457	BF103848	10886287	602537152F1 cDNA, 5' end /clone=IMAGE:4656037 /clone end=5'	1	GCGCAGGTTACCGGAACCCAAGGTC CTTTGAAATTCACAACTCTCTTTGG
3879	Table 3A	Hs.279009	BF105172	10887698	matrix Gla protein (MGP), mRNA /cds=(46,357)	1	AGCTGTGGAAAGGGCAACCTGTGGT TTCTCTGTACTGGTGTTTAATGGGG
3880	Table 3A	Hs 95388	BF107010	10889635	602619064F1 cDNA, 5' end /clone=IMAGE:4733030 /clone_end=5'	1	CACAAACACCGCCGGAGCAACCAC AGACACAGGACACGACACCACAC
3881	Table 3A	Hs.171595	BF130300	10969340	HIV TAT specific factor 1 (HTATSF1), mRNA /cds=(57,2321)	1	AAAGGGTTACTTTTCAAAACAGTCTC CTTTCGACCGGGGTCAGGGTGGCC
3882	Table 3A	Hs.129872	BF131060	10970089	sperm associated antigen 9 (SPAG9), mRNA /cds=(110,2410)	1	GGTGGACAGTATAAGGCGGTTAAGAT CCGTTGATGGCGAAGGTGAGAATG
3883	Table 3A	Hs.75428	BF131654	10970694	• • •	1	GACAGAGCGAGTAGACGGGAGGCGG AGAAGGAAGAGGAGACGAGAC
3884	Table 3A	Hs.9614	BF131656	10970696	nucleophosmin (nucleolar phosphoprotein B23, numatrin) (NPM1), mRNA /cds=(0.884)	1	CAAGACACAGAGGCAACGGAGAC ACGCAGACAAGCAAGGCCACGGAAC
3885	Table 3A	NA	BF184881	11063302		1	AGGGATAGGATAATTACAGAGGTACT GAGACTCCTGGCGTGGGTGACTCT
3886	Table 3A	Hs.160954	BF207290	11100876	602759615F1 cDNA, 5' end /clone=IMAGE:4895042 /clone_end=5'	1	CCCATCATGAAAAAACGCCTTAGGAG CCGAAGAAGAAAACCTCGGGAAAA
3887	Table 3A	Hs.76064	BF214146	11107732	ribosomal protein L27a (RPL27A), mRNA /cds=(22,468)	1	GACACAGCGAGAGTCCAGGAACAGG CAGACAAGCGAGAAAGAGGAGAAGC
3888	Table 3A	Hs.169248	BF214508	11108094	601845758F1 cDNA, 5' end /clone=IMAGE:4076510 /clone_end=5'	1	GTAGGAGGCGAGAAGGAAGAACAAG GCACACCGAAGGAGCAAGACCAGAC
3889	Table 3A	Hs.75968	BF217687	11111273	thymosin, beta 4, X chromosome (TMSB4X), mRNA /cds=(77,211)	1	CAAGAAGCAGAAGCAGCAACCAGAG ACAGAGAGACAAACGCAGAACAACA
3890	Table 3A	Hs.111611	BF219474	11113299	ribosomal protein L27 (RPL27), mRNA /cds=(17,427)	1	CAACAAGCAGACGAACAACAAAT ATCAACGAGGCGCAGCAGCTCAAA
3891	Table 3A	Hs.112318	BF237710	11151628	cDNA FLJ14633 fis, clone NT2RP2000938 /cds=UNKNOWN	1	AACACACAAGAGAAACATAACCACTA AATCACTACAAACACACACAGAAT
3892	Table 3A	Hs.182937	BF242969	11156897	peptidylprolyl isomerase A (cyclophilin A) (PPIA), mRNA /cds=(44,541)	1	AAACGAATTCTTGCACTGAGAGTGTT CACAGCGCCACTTTCCTCCTCCTC
3893	Table 3A	Hs.171774	BF243010	11156938		1	CGAGAAGCAGAAGATGACAGCAGAG CGAAAGCAGAGAACGAACAGACAAG
3894	Table 3A	Hs.296251	BF243724	11157654	programmed cell death 4 (neoplastic transformation inhibitor) (PDCD4), mRNA /cds=(84.1493)	1	TTGGATTTATTAAAGTCCCTTTGGAA GTCTTCTACCATTACTGTAGACCA
3895	Table 3A	Hs.109697	BF244603	11158534	· , ,	1	TCACATACCCTATGCCGACTGAGTGG AACGAGCCGACTATCACACAGAGC
3896	Table 3A	Hs.294110	BF245076	11159008	601863910F1 cDNA, 5' end /clone=IMAGE:4082235 /clone end=5'	1	CACATGCGCAATAAACCCGGCGAAG ACGCCACTCTGCGGCAAAGGACACA
3897	Table 3A	Hs.182825	BF245224	11159156	ribosomal protein L35 (RPL35), mRNA /cds=(27,398)	1	CCGCAGACACGAAAGCACCAACCAC CGACCGCCACCAGAAGGAACAACAG
3898	Table 3A	Hs.199248	BF245892	11159734	prostaglandin E receptor 4 (subtype EP4) (PTGER4), mRNA	1	GGGCACTTAAATGGTCACCTGTGTAA CAGTTTGGTGTAACTCCCAGTGAT
3899	Table 3A	Hs.108124	BF303895	11250572	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	1	ACAACACGAAAACGAACAAGCAAAGA AAGAAAACGGACACGAGCGAACCA
3900	Table 3A	Hs.296251	BF303931	11250608	programmed cell death 4 (neoplastic transformation inhibitor) (PDCD4),	1	TTGGATTTATTAAAGTCCCTTTGGAA GTCTTCTACCATTACTGTAGACCA
3901	Table 3A	NA	BF306204	11253289	mRNA /cds=(84,1493) cDNA clone IMAGE 4138980 5'	1	CAGCCATGTCCATGACAACCAGAGC CTGGGAGGAGCTGGATGGCGGCCTG
3902	Table 3A	Hs.5174	BF307213	11254322	ribosomal protein S17 (RPS17), mRNA /cds=(25,432)	1	AAACACACAGCAAGAACCACGAAAAG AGCAACCCAAAATAGGAAAAGCGG
3903	Table 3A	Hs.84883	BF307871	11255039	mRNA for KIAA0864 protein, partial	1	ACAGCGTGGATATAAGGACCAAGAG ACTAGGGCGCATACTATGATTCGCA
3904	Table 3A	Hs.63908	BF309911	11257388	cds /cds=(0,3656) hypothetical protein MGC14726 /MGC14726) mRNA /cds=(21,653)	1	ATGGACACGAGGACGGAACTGGGGG TACTAGAACAACCCTTCTCTGAAAA
3905	Table 3A	Hs.292457	BF310166	11257703	(MGC14726), mRNA /cds=(21,653) Homo sapiens, clone MGC:16362 IMAGE:3927795, mRNA, complete cds /cds=(498,635)	1	AGACCACAAACGAGAAGAAAAAGC AAGACCACAAAAGACAACAACAGCG

3906	Table 3A	NA	BF313856	11261925	601902261F1 5' end /clone=IMAGE 4134998	1	AAAAAATCGGGCTTTTTCTGGGGGAA AGGGAAGGGCGGGGAATGCTGGCC
3907	Table 3A	NA	BF315059	11263244	601899090F1 5' end /clone=IMAGE.4128334	1	CTACAACAATACAGCACACAGCATAA GCGCACAGGGCATAGACTAGGCAA
3908	Table 3A	Hs.99858	BF315159	11263380	ribosomal protein L7a (RPL7A), mRNA /cds=(31,831)	1	CAAGAGAGTGGAGACGAGTACGCGA GAACGCACGACACAGAGCGCAAGAA
3909	Table 3A	Hs 268177	BF339088	11285508	phospholipase C, gamma 1 (formerly subtype 148) (PLCG1), mRNA /cds=(76,3948)	1	TCTGCTGCCCTCTTAAGATCTGACTG CCAAATAAATCATCCTCATGTCCT
3910	Table 3A	Hs 296317	BF340402	11286776	mRNA for KIAA1789 protein, partial cds /cds=(3466,4899)	1	GATGAGAAACAACCACAAGGAAGAG GGCAGCGCCGGAGACCTACAGAAAG
3911	Table 3A	Hs.116567	BF341330	11287821	602013274F1 cDNA, 5' end /clone=IMAGE:4149066 /clone_end=5'	1	GCGGGGCACTGGCTCTTCACATTT GGTTGCGAGTTGCACACACCACAAC
3912	Table 3A	Hs.2554	BF341359	11287850	sialyltransferase 1 (beta-galactoside alpha-2,6-sialytransferase) (SIAT1), mRNA /cds=(310,1530)	1	GGGGGAAGCGGAAGGGTTGGATTGG GTGAAAAAAGAATTGTTCGTGTTTA
3913	Table 3A	Hs.28788	BF341640	11288136	602016073F1 cDNA, 5' end /clone=IMAGE:4151706 /clone end=5'	1	ATAATAGAGGAGAGATATTGTAAATA GAGACTGGCAGCAGTTTCCACAAA
3914	Table 3A	Hs.33905	BF342246	11289148	602041247F1 cDNA, 5' end /clone=IMAGE:4179250 /clone end=5'	1	AGTGGCAGGTGCAATTGTCGGTTCG ATTTGTGTTCCCAACAGTCTGAAAT
3915	Table 3A	Hs.127863	BF342439	11289452	601898969F1 cDNA, 5' end /clone=IMAGE:4128112 /clone_end=5'	1	GAGCCCACGGGGAAGGGAACCCAGC AACACGGAAATAAGTTGGACCGATC
3916	Table 3A	Hs.205442	BF377518	11339543	601439689F1 cDNA, 5' end /clone=IMAGE:3924407 /clone_end=5'	1	ACAACCTGAGAAATAATTCGGTCAAT ACCAGACTCCAACATTCCTGATCT
3917	Table 3A	Hs 319825	BF380732	11369857	602021477F1 cDNA, 5' end /clone=IMAGE:4156915 /clone end=5'	1	GTCTATTACAAAGTAAAGAGAGTCAA TTACTCCAGGAGGAGAATTGCAGG
3918	Table 3A	Hs.5174	BF381953	11363256		1	ACCAGACACGGACACACGCACACACACACACACACACAC
3919	Table 3A	Hs.112237	BF525720	11613081	602321076F1 cDNA, 5' end /clone=IMAGE:4424130 /clone end=5'	1	CGGTTGGGTCCTCAAAATATGCCTGT TTGGTTAACAAAAGCGGTTGTGAA
3920	Table 3A	Hs.136537	BF526066	11613527	-	1	GATAAAGAAGGGCCCGGGAAACAG CGAGGGAAGGACGGCTGGGAGAAC
3921	Table 3A	Hs.274472	BF526421	11613784	high-mobility group (nonhistone chromosomal) protein 1 (HMG1), mRNA /cds=(52,699)	1	ATCTCTGGCAATACTGTCTGATTACG GGGGTGATGCCGACGGTTAAAAAC
3922	Table 3A	Hs.334825	BF530382	11617745	cDNA FLJ14752 fis, clone NT2RP3003071 /cds=(205,1446)	1	GAACACAAAAAACCTCTTCTATAACG GGGACACACGCCAAGGGGACAAGT
3923	Table 3A	Hs.255390	BF531016	11618379	602072345F1 cDNA, 5' end /clone=IMAGE'4215251 /clone_end=5'	1	TTGGGTGCAACAACCAATACACTTAT ACTTGGAAACCACGGGCCATATTA
3924	Table 3A	Hs 146428	BF569545	11642925		1	AGGAGGAACAAAAACCGCAGCGTGG ATTTCAAATTTCTGGAAGTAAGTCT
3925	Table 3A	Hs.22265	BF571362	11645074	pyruvate dehydrogenase phosphatase (PDP), mRNA /cds=(131,1855)	1	AAATTCGCGCACCCTTTGTTTTATTG CCCCGGTTACAAGGTTTTGAACTG
3926	Table 3A	Hs.301183	BF572855	11646567		1	CGGGCCAGTATGAATGTAGGGTCAA GGAACGCCGAGGGTTTCACAAAAGG
3927	Table 3A	Hs.79530	BF663116	11937011		1	CTCAGTGTAGGGCAGAGAGGTCTAA CACCAACATAAGGTACTAGCAGTGT
3928	Table 3A	Hs.11356	BF665055	11938950	602119656F1 cDNA, 5' end /clone=IMAGE:4276860 /clone_end=5'	1	AGAATATATGTATTTTGAAAGGAAAG GACTTGGGGGATTTTTAACAGGGCA
3929	Table 3A	Hs.3585	BF666961	11940856	602121608F1 cDNA, 5' end /clone=IMAGE:4278768 /clone_end=5'	1	GAGACTCTCGTTGTCTCCTCTTCTGC TCTCTTCTCTGTTGGAGGGGAGG
3930	Table 3A	Hs.46677	BF667621	11941516	PRO2000 protein (PRO2000), mRNA /cds=(650,1738)	1	AGGTTGTGGGGAGTATGTTTGGACCA AAAATTAAAATATTGTGGGAGGGA
3931	Table 3A	Hs 343615	BF668050	11941945	602621493F1 cDNA, 5' end /clone=IMAGE:4755166 /clone_end=5'	1	GACCTTACCTGGTGGTTTTGTGGTTT GTTCTCCCGAAAAATGCGGGGTTT
3932	Table 3A	Hs.12035	BF668230	11942125	602122419F1 cDNA, 5' end /clone=IMAGE:4279300 /clone_end=5'	1	CACCCTGGGTTTTAAAGTGTGGGAGA AAAGCGCCCGGAAGAAGGAAACAA
3933	Table 3A	Hs.324342	BF668584	11942479	602123634F1 cDNA, 5' end /clone=IMAGE.4280408 /clone_end=5'	1	GAGGGGACCGGCCATCTGGGCAAGC AGATATGCTAATTGGGAATTATAGG
3934	Table 3A	Hs.285729	BF670567	11944559	602013364F1 cDNA, 5' end /clone=IMAGE:4149351 /clone_end=5'	1	ATGACTTGTGAATACCTGAGTTATAC TTTCCCAACAGATGTGCCTAACAC
3935	Table 3A	Hs.27590	BF671020	11944915	histone acetyltransferase (MORF), mRNA /cds=(315,6536)	1	TGATAGCTCACTTAGTTAATTGTTTTG AAGCAAATTTTGGGTTGGATGGG
3936	Table 3A	Hs.99858	BF673951	11947846		1	GACACAGAAGAGAGACAGAAGAGAA ACGGTCGAGGAGAAGAAGCAGGAGC

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3937	Table 3A	Hs 96566	BF673956	11947851	602137338F1 cDNA, 5' end /clone=IMAGE·4274048 /clone_end=5'	1	AAAGACCAGAGACAGGGAGACACGG CAGACAGAGCGCCGACAAAGAAGAG
3938	Table 3A	Hs.181357	BF676042	11949937	laminın receptor 1 (67kD, rıbosomal protein SA) (LAMR1), mRNA /cds=(85,972)	1	CAAGGCGACATGGGAGAGCGAGAAG GCTAGGAGGACGACAGGAAA
3939	Table 3A	Hs.122406	BF677944	11951839	602084766F1 cDNA, 5' end	1	GAATTTTGGGGAGGTTACTGGTCGG
3940	Table 3A	Hs.131887	BF678298	11952193	/clone=IMAGE:4248905 /clone_end=5' 602415255F1 cDNA, 5' end /clone=IMAGE 4523725 /clone end=5'	1	GGGAAATAACAGGGTTGGACAAACG CTCCACATATGGGTAACACACTCGGT CCTTACAAGCACCTAGTCACTTCC
3941	Table 3A	Hs.205319	BF679831	11953640	602154415F1 cDNA, 5' end /clone=IMAGE:4295595 /clone_end=5'	1	GGGACCAGACTGCTTTCTAAATGCAC AGCTCTTTCACTATCAGAATGTGT
3942	Table 3A	Hs.34549	BF680988	11954883	602620663F1 cDNA, 5' end	1	TGTGGTCACTTGGGAAATAAATTCCA
3943	Table 3A	Hs 10702	BF684382	11969790	/clone=IMAGE.4746422 /clone_end=5' hypothetical protein DKFZp761H221 (DKFZp761H221), mRNA	1	TCTGGCTTACCCAATGGGTGGTGG CCACAGCCACACACACAGACAAGCC GACCAACAGACAG
3944	Table 3A	Hs.164675	BF689700	11975108	602186609F1 cDNA, 5' end /clone=IMAGE:4298402 /clone_end=5'	1	ACCACAGCAAGACAACAAGGACGAG AAAGAGAACAGACAATGAGCAACGA
3945	Table 3A	Hs.71331	BF691178	11976586	hypothetical protein MGC5350	1	ACTACTGCTTGCGTACCTCTCCGCTT
3946	Table 3A	Hs.173965	BF691895	11977303	(MGC5350), mRNA /cds=(189,995) ribosomal protein S6 kinase, 90kD, polypeptide 3 (RPS6KA3), mRNA /cds=(0,2222)	1	TCCCTCCCTTACTATCGACCATA TCCGTTTATATTAGCACTGTATCCCTT GTGCCATCCAACATTTTGTATGT
3947	Table 3A	Hs.233936	BF694761	11980263	myosin, light polypeptide, regulatory, non-sarcomeric (20kD) (MLCB), mRNA /cds=(114,629)	1	CGGGCGCAGGACAGTAGCAGAGAAG AGAGGTGGAGAGCCGGACAACGCAG
3948	Table 3A	Hs.318782	BF696330	11981738	602808469F1 cDNA, 5' end /clone=IMAGE:4940633 /clone end=5'	1	CTTCAGTCATTATGGGCTCAGTTTCC TCACTATTGGTTCCTCGCAAGGGA
3949	Table 3A	Hs.103180	BF698884	11984292	602126455F1 cDNA, 5' end /clone=IMAGE:4283340 /clone_end=5'	1	AAGAGCAACAACGAGGCGAAGAGGA AGGAGGAGGCAAGACAGAAGAGAA
3950	Table 3A	Hs.252723	BF698920	11984328	ribosomal protein L19 (RPL19), mRNA /cds=(28,618)	1	GAGGAGCAACGACCAGAGAGACGAA CTGACATCAACCATAGAAGACGACA
3951	Table 3A	Hs.323662	BF700502	11985910	hypothetical protein MGC14595	1	AAGCATGAAGAAGACCTGGATGAGG
3952	Table 3A	Hs.253550	BF750565	12077241	(MGC14595), mRNA /cds=(101,850) RC1-BN0410-261000-014-f11 cDNA	1	CTCAGGGAGGTTCCCCCAGTTTAAA ATCAGTCAATCAGTCAGCTTCTCAGA GTAGCAATCCATGTGTCCAGAGGA
3953	Table 3A	Hs.10957	BF793378	12098432	602254823F1 cDNA, 5' end /clone=IMAGE:4347076 /clone end=5'	1	AAATCCAATCCTTCGGAGAGGGAATG GGCGGTATTAATTAAGGGAAGTCC
3954	Table 3A	Hs.293658	BF794089	12099143		1	ATGACAAGACAAGCCAGACGAAGAA GACAAACAAGGGAGACACAGCAGAC
3955	Table 3A	Hs.206761	BF794256	12099310	602255454F1 cDNA, 5' end /clone=IMAGE:4338949 /clone end=5'	1	TGCGCCCCAATATTTGTGGAACAGCG TTTTGTTCGAATAAAACGATCGGT
3956	Table 3A	Hs.246818	BF796642	12101696	602259846F1 cDNA, 5' end /clone=IMAGE:4343171 /clone_end=5'	1	CTCGAGGTGTAACTCAGGAAGGCCT AGCGAATCCCGACTCGGATGGTGTC
3957	Table 3A	Hs.54452	BF797348	12102402	zinc finger protein, subfamily 1A, 1 (Ikaros) (ZNFN1A1), mRNA	1	TTCACCTACTCTGTTCTTTTCATCCAT CCCCTGAGTCAGTTGGTTGGAGG
3958	Table 3A	NA	BF821451	12160669	RT0038 cDNA	1	CTGTTGTCTGGAGTGTGGAGTCTCTT GTCTGGATTGTGGAGTCTCTTGTC
3959	Table 3A	NA	BF889206	12280465	RC6-TN0073-041200-013-H02 cDNA /gb=BF889206	1	CAAGATGATGCTTGCTGTCTTTTCCT CTCGGCTACCCAGAATGGCATTTG
3960	Table 3A	Hs.38664	BF892532	12283991	ILO-MT0152-061100-501-e04 cDNA	1	AGTACTCATGACTTGAGAGACGTGGA CGGAGCCAGCTTCTACCTTGCTTG
3961	Table 3A	Hs.337534	BF965068	12332283	602268833F1 cDNA, 5' end	1	GGTCCGACCAATTAATGACTCCATGA
3962	Table 3A	Hs.334691	BF965438	12332653	/clone=IMAGE:4356776 /clone_end=5' hypothetical protein FLJ22427 (FLJ22427), mRNA /cds=(40,2631)	1	TCGGCCTCGGTTTTCACAAACCTT AGACAAAGAGAGCATAAATATAGCTC TACTCATGGGTACCATACCA
3963	Table 3A	Hs.133864	BF965766	12332981	602276890F1 cDNA, 5' end	1	TTACATTTGTGGACCATGTTACAGTTA AAGAAAAATCCTGTTTCAGTCCT
3964	Table 3A	Hs 279681	BF965960	12333175	/clone=IMAGE:4364495 /clone_end=5' heterogeneous nuclear ribonucleoprotein H3 (2H9) (HNRPH3),	1	GCAGGTTATCGCAAGATGTCTTAGAG TAGGGTTAAGGTTCTCAGTGACAC
3965	Table 3A	Hs.5324	BF966028	12333243	• • • • • • • • • • • • • • • • • • • •	1	ATTTTTAAATGGCTTTACCAAACATTG
3966	Table 3A	Hs.179902	BF966049	12333264	/cds=(157,1047) transporter-like protein (CTL1), mRNA /cds=(0,1964)	1	TCAGTACCTTTACGTGTTAGAAG CTTTCCACAGCAATTGTTTTGTACGA GGGGCCTTACAGCGCGGTCCACTT
3967	Table 3A	Hs 48320	BF966269	12333484		1	GGGGCCTTACAGCGCGGTCCACTT TTCTACAGCACGATGCCTGGATCTAC TGACCTGTCAACCACGAATCTTGA
3968	Table 3A	Hs.171802	BF966361	12333576	RST31551 cDNA	1	GAAACAGCAACAAGCAAACAGGATCT
3969	Table 3A	Hs 22790	BF968270	12335485	602269653F1 cDNA, 5' end /clone=IMAGE:4357740 /clone_end=5'	1	CAGCATTACCAACAGCCAGCACTA TGAGCCTGAACTTTTTTAGCAAATTAT TATTCTCAGTTTCCATTACCTGT

Table 8

3970	Table 3A	NA	BF968628	12335843	cDNA clone IMAGE:4359351 5'	1	CCTTCCAAAGCGGTCACCTGATAGG
3971	Table 3A	Hs.5064	BF968963	12336178	602490910F1 cDNA, 5' end	1	GAAGTCTTACGGCTAGGAAGTTACA GAATGGTGGGGAGAAAAAAGGGGGG
		110.000	<i>D</i> , 000000	72000770	/clone=IMAGE.4619835 /clone_end=5'	•	CACAGTCATGATCGGCTCTTATAAT
3972	Table 3A	Hs 24143	BF969990	12337205	Wiskott-Aldrich syndrome protein interacting protein (WASPIP), mRNA /cds=(108,1619)	1	GTCACATAATCCGGGGACCCAAAGAA AGTTCTCCAGAGTGGTTTCACGAG
3973	Table 3A	Hs 23703	BF970427	12337642	602272760F1 cDNA, 5' end /clone=IMAGE:4360767 /clone_end=5'	1	ACAACAACACATCACGTAACCACAAC ACGCATAAACAGCAAATCATCCTA
3974	Table 3A	Hs.102647	BF970875	12338090	602271536F1 cDNA, 5' end /clone=IMAGE:4359609 /clone_end=5'	1	CAGAACACCAACAAGCAGGGACGGA AGCCGACCGAGCAAACAGCGAAGGG
3975	Table 3A	Hs 321477	BF970928	12338143	602270204F1 cDNA, 5' end /clone=IMAGE:4358425 /clone_end=5'	1	GTGGACGGCCTGGGAATGTGCCCCC CGGTGTAACATCGAGCCCACAATGG
3976	Table 3A	Hs.79101	BF971075	12338290	cyclin G1 (CCNG1), mRNA /cds=(187,1074)	1	AGGATTAGGAGAGGGTCACAGAACA GAAAGCAGATTACACTTGGGATGGA
3977	Table 3A	Hs.33026	BF971984	12339199	mRNA for FLJ00037 protein, partial cds /cds=(3484,3921)	1	CTCTGTTTGTCTGGCCGCCTCCGTGA TCAAACCGTGTCGTCGGCGTGTTC
3978	Table 3A	Hs.146550	BF976590	12343805	DNA sequence from clone RP1-68O2 on chromosome 22 Contains the 5' end of the APOL2 gene for apolipoprotein L 2, the APOL gene for apolipoprotein L, the MYH9 gene for nonmuscle type myosin heavy chain 9. ESTs, STSs and GSSs /cds=(0,5882)	1	GGCTTGGACATTGCTCTCAAGAAGAT TAAGAACCCTGGAGGAACACTAGG
3979	Table 3A	Hs.7905	BF981080	12383892	602310311F1 cDNA, 5' end	1	TGTACAGCTAAATTTCTCCAAAGCAC
3980	Table 3A	Hs.182740	BF981263	12384075	/clone=IMAGE:4401411 /clone_end=5' ribosomal protein S11 (RPS11), mRNA /cds=(33,509)	1	TTTTTCAAAACCAAAAAAGAAAAA TTTGCACACTGAACACTTACAGATGT GGCAGATGTGAAATTTGTCATCAA
3981	Table 3A	Hs.289721	BF981634	12384446	cDNA: FLJ22193 fis, clone HRC01108 /cds=UNKNOWN	1	ACAGAGAGTCACCCGCGAGTACGAA ACAGGCACATTTTTAGAAACTCACA
3982	Table 3A	Hs.83583	BG024761	12410861	actin related protein 2/3 complex, subunit 2 (34 kD) (ARPC2), mRNA	1	AGGTTCTTACCACCACTTTTGTGCCC ATCTTTCCCTTCGTTCCCAATGTG
3983	Table 3A	Hs.1432	BG026279	12413729	protein kinase C substrate 80K-H (PRKCSH), mRNA /cds=(136,1719)	1	CCGGGGTGGCCCTCTCAAATTTGGC ATGGGGTCCTCTTTCAATGTTGTGG
3984	Table 3A	Hs.279009	BG028577	12417672	matrix Gla protein (MGP), mRNA /cds=(46,357)	1	CACGAGCGGCTGGAGGACACCCATT TTGTGCAGTGCCCGTCCGTCCCTTC
3985	Table 3A	Hs.5122	BG028906	12418001	/clone=IMAGE:4387778 /clone_end=5'	1	GCCCTATGGCGTTGTTAAACACGAGC GTATGCTAGTAAGTATCATTCATA
3986	Table 3A	Hs.143554	BG033028		Pur-beta (PURB) mRNA, complete cds /cds=(13,951)	1	GGTGTGTCTCGCGGCTGGCCCAGTC TATTCTCGGTGTTTATCTTCATCAC
3987	Table 3A	Hs.118787	BG033294	12425446	transforming growth factor, beta- induced, 68kD (TGFBI), mRNA	1	GACAACGGAAACTCTGTCTCTACCAC CATGTGACAGACGCGTTGATGCGT
3988	Table 3A	Hs.103902	BG033732	12426494	602301101F1 cDNA, 5' end /clone=IMAGE:4402465 /clone_end=5'	1	CAAGACACAAACAGCACGACTCACAC AGAGAAAGCAACCATGCCGAGGAG
3989	Table 3A	Hs 306155	BG033909	12426670	chorionic somatomammotropin hormone 1 (placental lactogen) (CSH1), transcript variant 2, mRNA	1	CGCGTCGAACTTCGGGACATTCCCG TAAACCACAAACAGATAAAGAATTA
3990	Table 3A	Hs.332404	BG033953	12426761	CDA02 protein (CDA02), mRNA /cds=(2,1831)	1	GCGTAAAGTGATCAAAAGGCCCTGAA GGGGAAAATGATAAAACCCGTGGT
3991	Table 3A	Hs.12396	BG034192	12427253	602302446F1 cDNA, 5' end /clone=IMAGE:4403866 /clone_end=5'	1	AGAGGAAGCGTGTGAATACAACAATC TAAAAAGGAGGAGAGGTCGAGCAC
3992	Table 3A	Hs.125819	BG034799	12428456	putative dimethyladenosine transferase	1	ACACATTCCCCATACCATTCGTGTT
3993	Table 3A	Hs.16488	BG035120	12428935	(HSA9761), mRNA /cds=(78,1019) calreticulin (CALR), mRNA /cds=(68,1321)	1	ATTCACATTCCCCGTACCATTTCT TAAAAAGGGGGTGGCGGCTGTAGTA AGGAGGAGCGAGTAATGTATAGCAC
3994	Table 3A	Hs 17719	BG035218	12429131	EBP50-PDZ interactor of 64 kD (EPI64), mRNA /cds=(24,1550)	1	CCATGAGCAGGCGCAACCATAACAG TTAGAGACGGCACACAGCACGACAC
3995	Table 3A	Hs.319825	BG036101	12430901		1	ACTCACGCAAGAGCAGGGGGACTAT AACAGAAATAAACAAGTAAATAAAT
3996	Table 3A	Hs.192965	BG036938	12432665	602287708F1 cDNA, 5' end /clone=IMAGE:4375153 /clone_end=5'	1	TACACAGGCAGCTATGCGGATCATCA GACGAGCACATATTCTAACAGAGA
3997	Table 3A	Hs.144924	BG037042	12432874	serine/threonine protein kinase SSTK (SSTK), mRNA /cds=(122,943)	1	CGTCGCCGTAGGACGCCTCCGTCGT CGTCTGGTCTGTCTCCTGCATCGAG
3998	Table 3A	Hs.318893	BG106948	12600794	602291361F1 cDNA, 5' end /clone=IMAGE:4386159 /clone_end=5'	1	AAAGGCAAGAGTCCGGGGTGGCAGA AGAGTGAAAAATGAAAGAGAGAAGG
3999	Table 3A	Hs.109007	BG110599	12604105	602342214F1 cDNA, 5' end /clone=IMAGE:4452602 /clone_end=5'	1	TTCTGCCCAGAGTGTATTTGTGAAGA GTCTCTTATATTATGTTTTGTGGA
4000	Table 3A	Hs 173737	BG110835	12604341	_	1	GTGCGAATGTGGAGTGTTTTACATTG ATCTTTGCTAATGAATTAGCATCA

4001	Table 3A	Hs 323950	BG111212	12604718	zinc finger protein 6 (CMPX1) (ZNF6),	1	CATTACGCATATTGGTAAGACGCAAA
4002	Table 3A	Hs 34906	BG111773	12605279	mRNA /cds=(1265,3361) 601820448F1 cDNA, 5' end	1	ATGAGACAGATCGACACTGGGACG CACAACGGGTCTTAATGACGACGGAA
4003	Table 3A	Hs 74313	BG112085	12605591	/clone=IMAGE ⁻ 4052578 /clone_end=5' mRNA for KIAA1265 protein, partial	1	AGATACATCCATCGGTATGAACGC ACCAGCAATCCGCAGCAGAGTCATAA
4004	Table 3A	Hs 320972	BG112503	12606009	cds /cds=(66,2573) 602282105F1 cDNA, 5' end	1	GTGGGGTAGGTGATATGTACTAAC GAAAAAACAAGCTAACAAACACACAC
4005	Table 3A	Hs.7589	BG112505	12606011	/clone=IMAGE:4369633 /clone_end=5' 602282107F1 cDNA, 5' end	1	GCCCACACCAACATGCCAGAACGC TGAACATGGGTGGGTTTGATCACGAG
4006	Table 3A	NA	BG118529		/clone=IMAGE:4369729 /clone_end=5' cDNA clone IMAGE:4443519 5'	1	GATTCCGCTGAAAAGATTAGAGGG CGCGTTCATAACGGCGTCGACTGTTC
							TTGTGCTGCTGTTATCTATACTAT
4007	Table 3A	NA	BG121288		cDNA clone IMAGE:4450407 5'	1	GGGACCAGACTACACGGAATACCAG AGTTGAAGAAAATTAAGATTTAAGC
4008	Table 3A	Hs.285729	BG163237	12669951	602013364F1 cDNA, 5' end /clone=IMAGE:4149351 /clone_end=5'	1	TATACTGAGAGTGAAGGTCTGGGTGC CAACTTGAGACAGGTGGTCTAGGA
4009	Table 3A	Hs.111554	BG164898	12671532	ADP-ribosylation factor-like 7 (ARL7), mRNA /cds=(14,592)	1	CCCCTGGTTTTCTCGTTCTGCCTCCT TTGGACCTGTGTTTTGTTT
4010	Table 3A	Hs.193482	BG165998	12672701	cDNA FLJ11903 fis, clone HEMBB1000030 /cds=UNKNOWN	1	CCCTTAGAATGGTTACTGCCCTTGAA TTAACTTGACACAACTTGGGTTGG
4011	Table 3A	NA	BG166279	12672982	cDNA clone IMAGE:4455496 5'	1	CGAATAATCCCTATTTGATTACCTCA GAAAAGTTTTGTCTTCCGCCAAGG
4012	Table 3A	Hs.87113	BG168139	12674842	602341526F1 cDNA, 5' end /clone=IMAGE:4449343 /clone end=5'	1	TTGGACCCCAGGGTAAGGCGGATAT
4013	Table 3A	Hs.182695	BG170647	12677350	mitochondrial ribosomal protein 63	1	TGGTTGGGACGTTCGGGGAGTGTAT AATTACGTTCGGAGGTATATAAAAAG
4014	Table 3A	Hs.204959	BG180098	12686801		1	GGATCGGCGCAGTGGATAGGGGGT GGAGATCCACAGTGATCTCAGGCCC
					(FLJ14886), mRNA /cds=(111,1169)		TGGACCGGAAAAGGCAGCAAGATCA
4015	Table 3A	NA	BG249224	12759040	cDNA clone IMAGE:4470038 5'	1	AAGACGAGTACACCAAGACCAAAGA GCGCCAACGAGCACGACCGAGTGAA
4016	Table 3A	Hs.6682	BG254117	12763933	solute carrier family 7, (cationic amino acid transporter, y+ system) member 11 (SLC7A11), mRNA /cds=(235,1740)	1	AACGCCGACTAGACGTCACAAAGACT TAATAAGAAACACACTGATATCCA
4017	Table 3A	NA	BG254292	12764108	cDNA clone IMAGE:4477042 5'	1	CGCAACATTATCCATTTAAACCCCTG
4018	Table 3A	Hs.30724	BG260954	12770770	602372562F1 cDNA, 5' end	1	CATAACCCATTACCAAAGCCCTCT GGCACCCCAATCCCCGGCAAAAACA
4019	Table 3A	Hs.217493	BG282346	13031273	/clone=IMAGE:4480647 /clone_end=5' annexin A2 (ANXA2), mRNA	1	TTTGTTAACCTCTTGGGAATTTCTT CTCGTCTGCACCGGAGTCTCACAAAT
4020	Table 3A	Hs.71243	BG283002	13032445	/cds=(49,1068) 602406192F1 cDNA, 5' end	1	TTAGCATCTGGGTCTTGAGCATTA CCCTCCGGGGTCTCTATACCCACAAC
4021	Table 3A	Hs.322653	BG283132	13032707	/clone=IMAGE:4518214 /clone_end=5' 602406784F1 cDNA, 5' end	1	CTTCTATCACTCAATCAGTTGGTA AACAAGATAGAGAGAGAGAGATC
4022	Table 3A	Hs.246818	BG283706	13033918	/clone=IMAGE:4518957 /clone_end=5' 602259846F1 cDNA, 5' end	1	GACACAGACAAACAACCACAACCG TGTTGGGACCCCTCATCTCACGGGTC
4023	Table 3A	Hs.151239	BG286500	13039430	/clone=IMAGE:4343171 /clone_end=5' 602382992F1 cDNA, 5' end	1	ATTTCCACCACTAAACGCCCTTTT CCCTGAAATCCTAAATTCCGTCACCC
4024	Table 3A	Hs.323950	BG286649		/clone=IMAGE:4500527 /clone_end=5' zinc finger protein 6 (CMPX1) (ZNF6),	1	CTCCAACATGACCATAAAAGTCCC GACCACGTTATGTGCCTGACTTCGAG
					mRNA /cds=(1265,3361)		GACACCCTCTCTGGTTTGGTATTT
4025	Table 3A	Hs.278428	BG286817	13040034	progestin induced protein (DD5), mRNA /cds=(33,8432)	1	TCTCCTTTCAGTTCCTTTGTAGGATTT CTGGCCTTGAGGATAGTCTTCA
4026	Table 3A	NA	BG288308	13043014	cDNA clone IMAGE:4512706 5'	1	TCTCATCAACATTTGACTCTCAGAAG AGCCTCCATTTGCCCTTTCTCTCT
4027	Table 3A	Hs.115467	BG288391	13043387	602388053F1 cDNA, 5' end /clone=IMAGE:4517076 /clone_end=5'	1	GCAGAGCAGACCTTATTACGCACAAT TGCCGGTAACATGTAACACCAGTT
4028	Table 3A	Hs.11637	BG288429	13043463	602388093F1 cDNA, 5' end /clone=iMAGE:4517086 /clone end=5'	1	ATTGGGCATGGTTGGTCCAATGCCTC ACATGGCCGGGATAACAGGACGCA
4029	Table 3A	Hs.79101	BG288554	13043326	cyclin G1 (CCNG1), mRNA /cds=(187,1074)	1	CAAAGGGTGTAATTCCACATTGACAC TCCTGTCATGCGGTGGGCGGGAAC
4030	Table 3A	Hs.44577	BG288837	13044076	602388170F1 cDNA, 5' end /clone=IMAGE:4517129 /clone end=5'	1	CTAGCTCACTAGTTGTGCCTATATGC CACACCGGGGGACCCAACAAGGGT
4031	Table 3A	Hs.173830	BG289048	13044499	602383666F1 cDNA, 5' end	1	ATACTGTGTGATTTGCCCTTGCTGTC
4032	Table 3A	Hs.169363	BG289347	13045100	/clone=IMAGE:4512712 /clone_end=5' GLE1 (yeast homolog)-like, RNA	1	CAACCCTGTTCTTGCTGCCATTTA GTGGCCTGAAGTGACCCATTCTATGA
4033	Table 3A	Hs.79914	BG290141	13046637	export mediator (GLE1L), mRNA lumican (LUM), mRNA /cds=(84,1100)	1	ATTGTTAATTAAGGTGCCAAAAAA GGGTTTGAGACTTGGGTATGGAAACA
4034	Table 3A	Hs 129872	BG290577	13047679		1	GAACCGGAAATTGTGTGCTCTGGT ATTTCTATTATGGAATCCCTGGGGTT
4035	Table 3A	Hs.95835	BG291649	13049586	mRNA /cds=(110,2410) RST8356 cDNA	1	CAGAATGTAACTTTGTACATGAGA GACAGTACACCTCAGGGAAGGGA
4036	Table 3A	Hs 289088	BG291970	12050240	host shock OOkD protein 4 slahe	4	
7000	I ADIÇ UK	113 203000	DG231310	13050316	heat shock 90kD protein 1, alpha (HSPCA), mRNA /cds=(60,2258)	1	TCAGACCCAGTCTTGTGGATGGAAAT GTAGTGCTCGAGTCACATTCTGCT

4037	Table 3A	Hs 322804	BG311130	13112931	ıa55a08 y1 cDNA, 5' end /clone_end=5'	1	TCCTGAGCCCCACACGCCCGAAGCA ATAAAGAGTCCACTGACTTCCAAAA
4038	Table 3A	Hs 190219	BG326781	13133218	602425659F1 cDNA, 5' end	1	ACGAATATCGAATCTCCCACGCGGG
4039	Table 3A	Hs 292457	BG339050	13145488	/clone=IMAGE:4563471 /clone_end=5' Homo sapiens, clone MGC:16362 IMAGE:3927795, mRNA, complete cds	1	GGGTGAGACCCGAATCTGCGGCTGC AGACACACGAGCAAAACGACGCAGC AAGAATCAGATAGCATAGC
4040	Table 3A	Hs 170980	BG387694	13281140	/cds=(498,635) cell cycle progression 2 protein (CPR2), mRNA /cds=(126,1691)	1	GCAGTGGGACGGAACGGGTGAAGCC TGATGGCTGATGCGGCACGATCTTG
4041	Table 3A	Hs.266175	BG391695	13285143	cDNA FLJ20673 fis, clone KAIA4464	1	CTTTAAATCTTAGATTGCTCCGCACA
4042	Table 3A	Hs.301226	BG396292	13289740		1	GATAAAGAGAACCAGGATTGGGGC TTTATTTGGGTACTTTTCCCCAACACA
4043	Table 3A	Hs.58643	BG397564	13291012	cds /cds=(0,1755) 602438603F1 cDNA, 5' end /clone=IMAGE:4564968 /clone_end=5'	1	AGTCCTTTTATCCCACCCTTGGG AAAAGATCTCGGAAAATAGCATTTTG TTAAAACCTTGGGGGGTAAAACCC
4044	Table 3A	Hs.26670	BG403635	13297083	PAC clone RP3-515N1 from 22q11.2- q22 /cds=(0,791)	1	AACCTTCATGCAAGTGGAGACGGGTA GGGGGTTCTATGGGGCATTGGTTG
4045	Table 3A	Hs.292457	BG424974	13331480	Homo sapiens, clone MGC:16362 IMAGE:3927795, mRNA, complete cds /cds=(498,635)	1	TGTGAAAAGCTGATAAGAAAACCATC CAGAAAAAAGCTCTTCGTTTTACA
4046	Table 3A	NA	BG427404	13334006	cDNA clone IMAGE:4612518 5'	1	TCATTATAATTCTGTCCTAGGAAATCA AATTAGAACGCTCCACAAGCCGG
4047	Table 3A	NA	BG432194	13338700	cDNA clone IMAGE:4610035 5'	1	CGCAGAGCTGGGCCTTACAAATGGG TTCCAAATCGGGCTTCTCACTCAGG
4048	Table 3A	Hs.28491	BG434865	13341371	spermidine/spermine N1- acetyltransferase (SAT), mRNA	1	TACAACTGTACCACACTGGGTTACTC TAGAAGTCTCTGGTCGGATCCTTC
4049	Table 3A	Hs.281397	BG438232	13344738	hypothetical protein AD034 (AD034), mRNA /cds=(195,1880)	1	CATAGAGCACAAGAGACACATGGAC CGGCACGCGACCCGACC
4050	Table 3A	Hs.301226	BG468330	13400600	mRNA for KIAA1085 protein, partial cds /cds=(0,1755)	1	TTTACCTCATTTATTTGGTACTTTCCC CACACAGTCCTTTATCCACCTGG
4051	Table 3A	Hs.334787	BG473228	13405503		1	CCATTTTTAGTGGGGGAGAAAACTGT CACTGTGCTGGCGAAAGAGGTCCA
4052	Table 3A	Hs.292457	BG473813	13406090	Homo sapiens, clone MGC:16362 IMAGE:3927795, mRNA, complete cds /cds=(498,635)	1	CCGCACCGATTAACGGCCAGAGAAG CAACAAGCAAATAAAAAGTGGGAAA
4053	Table 3A	Hs.173737	BG482798	13415077	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1) (RAC1), transcript	1	AACTTAACTCACTGGCGAGAATACAG CGTGGGACCCTTCAGCCACTACAA
4054	Table 3A	Hs.24054	BG489375	13450885	variant Rac1b, mRNA /cds=(0,635) hypothetical protein GL009 (GL009), mRNA /cds=(77,628)	1	AGGACTTAACGGGAATACCGGGAATAA CTCCAATTACTTCATCTCTAGGGC
4055	Table 3A	Hs.166254	BG493253	13454765	• • •	1	AAGGAGGTTGCTCACCAGTAGTGCTT GTTACCAAAATGTCACCAGGAGTT
4056	Table 3A	Hs.29131	BG497765	13459282	nuclear receptor coactivator 2 (NCOA2), mRNA /cds=(162,4556)	1	TGAATTAAGTGCATTATCAATTAACCT TATGGTGGTTGGAATAGTGATCA
4057	Table 3A	Hs.172089	BG501063	13462580	mRNA; cDNA DKFZp586l2022 (from clone DKFZp586l2022)	1	AAACACACAGGAAAAGGGCAAAGGG GGCACCAGGAGAACCGGGAGACAAA
4058	Table 3A	NA	BG501895	13463412	/cds=UNKNOWN cDNA clone IMAGE:4654344 5'	1	CGGAGAAACGGGGCCAAAAGGTTGC CGAGAGACCCGGCGAAAAGGACAGG
4059	Table 3A	Hs.279009	BG503693	13465210	matrix Gla protein (MGP), mRNA	1	ACAAAGCATCAAACAGCAGGGAGCTA
4060	Table 3A	Hs.86437	BG505271	13466788	/cds=(46,357) 602411368F1 cDNA, 5' end	1	GTGGAGAGGTCTATTGTCCCAGTG GGGTGCATGCCAAGAAAGTATGGTT
4061	Table 3A	Hs.237868	BG505379	13466896	/clone=IMAGE:4540096 /clone_end=5' interleukin 7 receptor (IL7R), mRNA	1	GGAATTCCTGGTACACTGAAGTGGA ATGTTATCTTGGGAATTAGTGTCTTG
4062	Table 3A	Hs.3280	BG505961	13467478	/cds=(22,1401) caspase 6, apoptosis-related cysteine protease (CASP6), transcript variant	1	AGCCTCTGTCTGTTACCGTAGTTT TGACCGAGTAAAAAAACATCTATCAAT TACACAAATGAACAAGAATGTGAG
4063	Table 3A	Hs.293842	BG506472	13467989	alpha, mRNA /cds=(78,959) 601571679F1 cDNA, 5' end	1	ACAAGAAATGGTTGAGGCGAATATTG
4064	Table 3A	Hs 111911	BG527060	13518597	/clone=IMAGE:3838675 /clone_end=5' 602540462F1 cDNA, 5' end	1	GAAACACATGGGCTTAATGCTGAA GGTATTGATGCTTGGTTTTTCCTGCC
4065	Table 3A	Hs.12396	BG527658	13519195	/clone=IMAGE:4671519 /clone_end=5' 602302446F1 cDNA, 5' end	1	AGTCCGAAATTCCTGTATTTGTCA TCATGCTACTCATACCCCTTTTCA
4066	Table 3A	NA	BG531486	13523023	/clone=IMAGE:4403866 /clone_end=5' cDNA clone IMAGE:4699409 5'	1	TGATACTCTCATAGCCCTTTTGA GCCTGGCGGACCGGCAGCCTATATG
4067	Table 3A	Hs 279009	BG532345	13523883	matrix Gla protein (MGP), mRNA /cds=(46,357)	1	ACGGACTTCCTCATTACTTACCACG AAACTGTTTGGAGAATTTAAGCACTC TCTGATGGGGGACAACTCTATGGA
4068	Table 3A	Hs 129872	BG532470	13524009	sperm associated antigen 9 (SPAG9), mRNA /cds=(110,2410)	1	TCTTTGTGCAGATACGTTCACCACAT AAGTGTGAGCCATTTAAACCTGGT

4069	Table 3A	Hs.343475	BG533994	13525534	601556208T1 cDNA, 3' end	1	CACCAAAGTGGAGACAAATACATGAT
4070	Table 3A	Hs 74647	BG536394	13527940	/clone=IMAGE 3826392 /clone_end=3' T-cell receptor active alpha-chain mRNA from JM cell line, complete cds	1	CTCAAAGATACACAGTACCTACTT AATAATTGGTCTTTTAAACAAACACG GAAGTTTGGTGGAATCGGTCATGT
4071	Table 3A	Hs 343475	BG536641	13528187	/cds=(136,969) 601556208T1 cDNA, 3' end /clone=IMAGE:3826392 /clone_end=3'	1	TGTTCGTGCCTTCCTTCTGGGTTCCA CAAAGGTGGGACCTTACTTATCTA
4072	Table 3A	Hs.72988	BG537502	13529734	signal transducer and activator of transcription 2, 113kD (STAT2), mRNA /cds=(57,2612)	1	AGGGAAAAACGCAGGGGGTTCAAAA ACTCTCTCACTCTATGCAGTGTATA
4073	Table 3A	NA	BG538731	13530964	cDNA clone IMAGE:4691392 5'	1	AAGCAGCTCAATAGCAGCATAGAGGA TTAGATTAATGGAACAGCACTGCA
4074	Table 3A	Hs.124675	BG541679	13533912	602571256F1 cDNA, 5' end /clone=IMAGE:4695805 /clone end=5'	1	ACATATACAAGGACACAGAGGAAAGG CGGGAACAACGGGAAGAGGTTTTG
4075	Table 3A	NA	BG542394	13534627	cDNA clone IMAGE 4696046 5'	1	TGTGGCGATTAAGAGAGGTGAAGCAT AACTGATTTGCAGGATATGGTTTG
4076	Table 3A	Hs.198427	BG547561	13546239	hexokinase 2 (HK2), mRNA /cds=(1490,4243)	1	AAAAGCCAAAAGGTTTCATGTAGATT TTAGTTCACTAAAGGGTGCCCACA
4077	Table 3A	Hs.83077	BG547627	13546292	interleukin 18 (interferon-gamma- inducing factor) (IL18), mRNA	1	GCAGAACTCTAATTGTACGGGGTCAC AGAGGCGTGATATGGTATCCCAAA
4078	literature	Hs.227656	XM_001289	14732543	xenotropic and polytropic murine leukemia virus receptor (X3) mRNA, complete cds /cds=(165,2255)	1	CTTAACCATACAGAATGATATAACTC CTGTGCAATGAAGGTGATAACAGT
4079	literature	Hs.55468	XM_001939	11426048	H4 histone, family 2	1	CTTCGGAGGCTAGGCCGCCGCTCCA GCTTTGCACGTTTCGATCCCAAAGG
4080	Table 3A	Hs.170171	XM_002068	14732456	mRNA; cDNA DKFZp434M0813 (from clone DKFZp434M0813); partial cds	1	CAAAGTCAAATAACTCCTCATTGTAAA CAAACTGTGTAACTGCCCAAAGC
4081	literature	Hs.181097	XM_002135	11428074	/cds=(430,768) tumor necrosis factor (ligand) superfamily, member 4 (tax- transcriptionally activated glycoprotein	1	CCAATCCCGATCCAAATCATAATTTG TTCTTAAGTATACTGGGCAGGTCC
4082	Table 3A	Hs.76913	XM_002158	13639010	1, 34kD) (TNFSF4), mRNA proteasome (prosome, macropain) subunit, alpha type, 5 (PSMA5), mRNA	1	TCCAGCTCCTGTTCCTTGGAAAATCT CCATTGTATGTGCATTTTTTAAAT
4083	Table 3A	Hs.10927	XM_002269	13636009	/cds=(21,746) HSZ78330 cDNA /clone=2.49-(CEPH)	1	AACTGATGCCTGCTAGTGCTTTCTGA TTACTCGCATTCTGTTTCTTGCTT
4084	literature	Hs.81424	XM_002513	13646509	, , , , , , , , , , , , , , , , , , , ,	1	TCAGGTTGAAGTCAAGATGACAGATA
4085	Table 3A	Hs.173912	XM_003189	14735115	/cds=(66,371) eukaryotic translation initiation factor	1	AGGTGAGAGTAATGACTACTCCAA TCCTAGGTAGGGTTTAATCCCCAGTA
4086	Table 3A	Hs.63668	XM_003304	14720715	4A, isoform 2 (EIF4A2), mRNA toll-like receptor 2 (TLR2), mRNA	1	AAATTGCCATATTGCACATGTCTT AGCGGGAAGGATTTTGGGTAAATCTG
4087	Table 3A	Hs 89714	XM_003507	14731038	/cds=(129,2483) small inducible cytokine subfamily B (Cys-X-Cys), member 5 (epithelal- derived neutrophil-activating petide 78)	1	AGAGCTGCGATAAAGTCCTAGGTT GAGGCCCTAGCATTTCTCCTTGGATA GGGGACCAGAGAGAGCTTGGAATG
4088	Table 3A	Hs.66052	XM_003593	13646753	(SCYB5), mRNA /cds=(106,450) CD38 antigen (p45) (CD38), mRNA	1	CTCCACAATAAGGTCAATGCCAGAGA
4089	Table 3A	Hs 251664	XM_004020	11417288	/cds=(69,971) DNA for insulin-like growth factor II (IGF-2); exon 7 and additional ORF	1	CGGAAGCCTTTTTCCCCAAAGTCT CCAATGTTTCTCTTTTGGCCCTATACA AAGGCAAGAAGAAGACCAAGA
4090	Table 3A	Hs 79197	XM_004500	13631147	CD83 antigen (activated B lymphocytes, immunoglobulin	1	TTACCTCTGTCTTGGCTTTCATGTTA TTACACGTATGCATGTGAAGAAG
4091	db mining	Hs.159651	XM_004585	14758499	superfamily) (CD83), mRNA tumor necrosis factor receptor superfamily, member 21 (TNFRSF21), mRNA /cds=(0,1967)	1	GGGAAGTTGGTTTATAAGCCTTTGCC AGGTGTAACTGTTGTGAAATACCC
4092	Table 3A	Hs 279903	XM_004611	14740071	Ras homolog enriched in brain 2 (RHEB2), mRNA /cds=(23,577)	1	CCCTCCCTTCAGATTATGTTAACTCT GAGTCTGTCCAAATGAGTTCACTT
4093	Table 3A	Hs.302981	XM_004720	14745195		1	TTATTCATATATTCCTGTCCAAAGCCA CACTGAAAACAGAGGCAGAGACA
4094	Table 3A	Hs.239138	XM_004839	13629023		1	TGCACCTCAAGATTTTAAGGAGATAA
4095	Table 3A	Hs.79022	XM_005162	14746130	GTP-binding protein overexpressed in skeletal muscle (GEM), mRNA	1	TGTTTTTAGAGAGAATTTCTGCTT TATGGCCTTCAAGCTCAAGTCCAAAT CCTGCCATGACCTCTCTGTACTCT
4096	Table 3A	Hs.234642	XM_005543	13641011	/cds=(213,1103) aquaporin 3 (AQP3), mRNA /cds=(64,942)	1	TCCACCCTCTCTATCTTTCACC
4097	Table 3A	Hs.124029	XM_005693	14737168	inositol polyphosphate-5-phosphatase, 40kD (INPP5A), mRNA	1	TTCCAGGGTGTGTATGTTTTCAGG GGACCATTCCGGAGCAGCCCCACAT ACCTCACTGTCTCGTCTGTCTATGT
4098	Table 3A	Hs 326248	XM_005698	13627052	cDNA. FLJ22071 fis, clone HEP11691 /cds=UNKNOWN	1	TTTGTAAGCGAAGGAGATGGAGGTC GTCTTAAACCAGAGAGCTACTGAAT
4099	Table 3A	Hs 287797	XM_005799	13629831	mRNA for FLJ00043 protein, partial cds /cds=(0,4248)	1	ACCACTGTATGTTTACTTCTCACCATT TGAGTTGCCCATCTTGTTTCACA

Table 8

4100	Table 3A	Hs.1395	XM_005883	14740090	early growth response 2 (Krox-20 (Drosophila) homolog) (EGR2), mRNA /cds=(338,1768)	1	AAATCTATTCTAACGCAAAACCACTAA CTGAAGTTCAGATAATGGATGGT
4101	Table 3A	Hs 1908	XM_005980	14748566	proteoglycan 1, secretory granule (PRG1), mRNA /cds=(24,500)	1	TGTTATAAAAGAGGATTTTCCCACCTT GACACCAGGCAATGTAGTTAGCA
4102	db mining	Hs.73958	XM_006283	14763523	recombination activating gene 1 (RAG1), mRNA /cds=(124,3255)	1	ACCAGGATGCAATGGATTTATTTGAT TCAGGGGACCTGTATTTCCATGTC
4103	Table 3A	Hs 146589	XM_006741	14783662	mRNA for MOP-3, complete cds /cds=(0,4178)	1	AACAGAAACAGCTATGGCAACAGCAT CACCCTCAGAGCATCACCAACTTG
4104	db mining	Hs.99954	XM_006840	14763859	activin A receptor, type IB (ACVR1B), transcript variant 1, mRNA	1	TATTTAACCTGAGTATAGTATTTAACG AAGCCTAGAAGCACGGCTGTGGG
4105	Table 3A	Hs.287369	XM_006881	13650909	interleukin 22 (IL22), mRNA /cds=(71,610)	1	AACTAACCCCCTTTCCCTGCTAGAAA TAACAATTAGATGCCCCAAAGCGA
4106	literature	Hs.159	XM_006950	13652420	tumor necrosis factor receptor superfamily, member 1A (TNFRSF1A), mRNA /cds=(255,1622)	1	ATAGCAAGCTGAACTGTCCTAAGGCA GGGGCGAGCACGGAACAATGGGGC
4107	Table 3A	Hs.159492	XM_007156	12737945	sacsin (SACS) gene, complete cds /cds=(76,11565)	1	TGACAGGTTCACTTCTGAGGTTGCTA TGAGGGTGATGGAATGTACTGCCT
4108	Table 3A	Hs.170133	XM_007189	14755876	forkhead box O1A (rhabdomyosarcoma) (FOXO1A),	1	TGTTTAAATGGCTTGGTGTCTTTCTTT TCTAATTATGCAGAATAAGCTCT
4109	Table 3A	Hs 87409	XM_007606	14749307	thrombospondin 1 (THBS1), mRNA /cds=(111,3623)	1	TTGAAATTGGTGGCTTCATTCTAGAT GTAGCTTGTGCAGATGTAGCAGGA
4110	Table 3A	Hs.75415	XM_007650	14785206	cDNA: FLJ22810 fis, clone KAIA2933, highly similar to AB021288 mRNA for beta 2-microglobulin /cds=UNKNOWN	1	ACTTCTTATACATTTGATAAAGTAAGG CATGGTTGTGGTTAATCTGGTTT
4111	Table 3A	Hs.17279	XM_008062	13627121	tyrosylprotein sulfotransferase 1 (TPST1), mRNA /cds=(81,1193)	1	CATGAAGAAGCAAGACGAAAACACAC AGGAGGGAAAATCCTGGGATTCTT
4112	Table 3A	Hs 5344	XM_008082	14779810	adaptor-related protein complex 1, gamma 1 subunit (AP1G1), mRNA	1	GCCTGGCTTGGACCTTGGCATTCCGT TTGAATTCCTTCTAACTGGAACAT
4113	Table 3A	Hs 75703	XM_008449	13652724	small inducible cytokine A4 (homologous to mouse Mip-1b) (SCYA4), mRNA /cds=(108,386)	1	GTCCACTGTCACTGTTTCTCTGCTGT TGCAAATACATGGATAACACATTT
4114	literature	Hs.79241	XM_008738	13646672	B-cell CLL/lymphoma 2 (BCL2), nuclear gene encoding mitochondrial protein, transcript variant alpha, mRNA /cds=(31,750)	1	TTGTGTTGTTGGAAAAAGTCACATTG CCATTAAACTTTCCTTGTCTGTCT
4115	db mining	Hs.9731	XM_008901	11432998	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta (NFKBIB), mRNA	1	CAGTAGCGACAGCGACGGCGGAGAC GAGGGCGTGAGTCAGGAGGAGACAC
4116	db mining	Hs.69747	XM_009101	11425196	fucosyltransferase 1 (galactoside 2- alpha-L-fucosyltransferase, Bombay phenotype included) (FUT1), mRNA	1	AGCTGCCACGGGTGAGAGAGCAGGA GGTATGAATTAAAAGTCTACAGCAC
4117	db mining	Hs.46328	XM_009103	14760495	mRNA for alpha(1,2)fucosyltransferase, complete	1	CTTTCCTCAAAATCTTTAAGCCAGAG GCAGCCTTCCTGCCGGAGTGGACA
4118	Table 3A	Hs.84038	XM_009533	14771190	CGI-06 protein (LOC51604), mRNA /cds=(6,1730)	1	TCTGCCTCACGTGCACTGTGGTGGC CGTGTGCTACGGCTCCTTCTACAAT
4119	Table 3A	Hs.296585	XM_009574	14771391	nucleolar protein (KKE/D repeat) (NOP56), mRNA /cds=(21,1829)	1	CCATAGCCCAAGGTGACATTTCCCAC CCTGTGCCGTGTTCCCCAATAAAA
4120	Table 3A	Hs.198298	XM_009641	14770741	cDNA FLJ14219 fis, clone NT2RP3003800, highly similar to Rattus norvegicus tyrosine protein kinase pp60- c-src mRNA /cds=(501,1256)	1	GGGGTATCCAGAATTGGTTGTAAATA CTTTGCATATTGTCTGATTAAACA
4121	Table 3A	Hs.334691	XM_009917	13648023	hypothetical protein FLJ22427 (FLJ22427), mRNA /cds=(40,2631)	1	GAGGCTTTGCCTTGCCTGCATATTTG TTTCGCTCTTACTCAGTTTGGGAA
4122	Table 3A	Hs.278027	XM_009929	11417988	LIM domain kinase 2 (LIMK2), transcript variant 2b, mRNA	1	GCAAGTGTAGGAGTGGTGGGCCTGA ACTGGGCCATTGATCAGACTAAATA
4123	Table 3A	Hs.32970	XM_010593	14727775	signaling lymphocytic activation molecule (SLAM), mRNA	1	TTGCAAAACCCAGAAGCTAAAAAGTC AATAAACAGAAAGAATGATTTTGA
4124	Table 3A	Hs.155595	XM_010897	13637965	neural precursor cell expressed, developmentally down-regulated 5 (NEDD5), mRNA /cds=(258,1343)	1	CCCACACTGCTACACTTCTGATCCCC TTTGGTTTTACTACCCAAATCTAA
4125	Table 3A	NA	XM_011080	14738482	T cell activation, increased late expression	1	AAAAGAAGCCCTAATAAACCACCCGG ATAATAACCCTGTCTACCATCTTT
4126	Table 3A	Hs.302014	XM_011082	13626304	interleukin 21 (IL21), mRNA /cds=(46,534)	1	GTGAAGATTCCTGAGGATCTAACTTG CAGTTGGACACTATGTTACATACT
4127	Table 3A	Hs.78687	XM_011714	14749491	neutral sphingomyelinase (N-SMase) activation associated factor (NSMAF), mRNA /cds=(12,2765)	1	AGAAGGATTAGCAGTTCTTAGTAAGT TTACTGTGTATAGGAACGGTTTGT
4128	literature	Hs.91390	XM_011844	14739654	poly (ADP-ribose) glycohydrolase (PARG), mRNA /cds=(166,3096)	1	CGGCTGCCTCTCTTGAGACCATCTGC CAATCACACAGTAACTATTCGGGT
4129	Table 3A	Hs 76038	XM_011865	14737830	isopentenyl-diphosphate delta isomerase (IDI1), mRNA /cds=(50,736)	1	CCCAACTGAGGACCACTGTCTACAGA GTCAGGAAATATTGTAGGGAGAA
4130	Table 3A	Hs.180450	XM_011914	13628205	ribosomal protein S24 (RPS24), transcript variant 1, mRNA	1	CTGGCAAAAAGCCGAAGGAGTAAAG GTGCTGCAATGATGTTAGCTGTGGC
4131	Table 3A	Hs.154938	XM_012059	14771044	hypothetical protein MDS025 (MDS025), mRNA /cds=(5,769)	1	TGTTTGCTTGAACAGTTGTGTAAATC ATACAGGATTTTGTGGGTATTGGT

Table 8

4132	Table 3A	Hs 1051	XM_012328	14750596	granzyme B (granzyme 2, cytotoxic T- lymphocyte-associated serine esterase 1) (GZMB), mRNA /cds=(33,776)	1	GGAGCCAAGTCCAGATTTACACTGG GAGAGGTGCCAGCAACTGAATAAAT
4133	Table 3A	Hs 251526	XM_012649	13633583	gene for monocyte chemotactic protein- 3 (MCP-3) /cds=(0,329)	1	GGATGCTCCTCCCTTCTCTACCTCAT GGGGGTATTGTATAAGTCCTTGCA
4134	db mining	Hs.278454	AF285431	12741752	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2 (KIR2DL2), mRNA /cds=(14,1060)	1	TAACTTCAATGTAGTTTTCCATCCTTC AAATAAACATGTCTGCCCCCATG
4135	Table 3A	Hs 334437	XM_015180	14778515	hypothetical protein MGC4248 (MGC4248), mRNA /cds=(70,720)	1	GAGTCCTTTTGATTTTTAACTTATTCC CCATGTCCCTATACTTCGTGTGC
4136	Table 3A	Hs.137555	XM_015921	14760439	putative chemokine receptor; GTP- binding protein (HM74), mRNA	1	TGCACGTTCCTCCTGGTTCCTTCGCT TGTGTTTCTGTACTTACCAAAAAT
4137	Table 3A	Hs.164371	XM_016138	13638510	cDNA FLJ13175 fis, clone NT2RP3003842 /cds=UNKNOWN	1	CAGCTTCAGCTAGGAGTTTGTAAGCA AGGACTTTGTGACACATTTGTCCC
4138	Table 3A	Hs 323463	XM_016481	14721648	mRNA for KIAA1693 protein, partial cds /cds=(0,2707)	1	AATTGAAAAGTACCAAGAAGTGGAAG AAGACCAAGACCCATCATGCCCCA
4139	Table 3A	Hs 15220	XM_016721	14784971	zinc finger protein 106 (ZFP106), mRNA /cds=(335,5986)	1	ACTTCCTAGAGACTTGTTTCTGAGAC AGTTCTTTGCCTTCACTTCCCTGC
4140	Table 3A	Hs 323463	XM_016972	14726508	mRNA for KiAA1693 protein, partial cds /cds=(0,2707)	1	ACAACTGACCTGTCTCCTTCACATAG TCCATATCACCACAAATCACACAA
4141	Table 3A	Hs 180946	XM_018498	14723691	ribosomal protein L5 pseudogene mRNA, complete cds /cds=UNKNOWN	1	GCTCAGGAGCGGGCTGCTGAGAGCT AAACCCAGCAATTTTCTATGATTTT
4142	Literature	Hs.194382	U67093	2072143	ataxia telangiectasia (ATM) gene, complete cds /cds=(795,9965)	1	AAAGAAAGCCAGTATATTGGTTTGAA ATATAGAGATGTGTCCCAATTTCA
4143	Literature	Hs.184167	NM_006276	6857827	splicing factor, arginine/serine-rich 7 (35kD) (SFRS7) mRNA /cds=(105,490)	1	ACTGGCAGGCTTATTTATCTGTTGCA CTTGGTTAGCTTTAATTGTTCTGT
4144	Literature	Hs.79037	NM_002156	4504520	Homo sapiens, heat shock 60kD protein 1 (chaperonin), clone MGC:19755 IMAGE:3630225, mRNA,	1	AGCAGCCTTTCTGTGGAGAGTGAGAA TAATTGTGTACAAAGTAGAGAAGT
4145	Literature	Hs.206984	U15177	988207	complete cds /cds=(1705,3396) cosmid CRI-JC2015 at D10S289 in 10sp13 /cds=(0,1214)	1	CAACTGTGCTGGCCGGGAGGAGAGC AGAGACGCAGTCCTGCCCAGTGTAG
4146	Literature	Hs.395	XM_002923	13643499	chemokine (C-C motif) receptor 2 (CCR2), mRNA /cds=(39,1163)	1	CACATGGCTAAAGAAGGTTTCAGAAA GAAGTGGGGACAGAGCAGAACTTT
4147	Literature	NA	NC_001807	13959823		1	CCGACATCTGGTTCCTACTTCAGGGT CATAAAGCCTAAATAGCCCACACG
4148	Literature	Hs.32017	NM_020645	11034818	ASCL3 gene, CEGP1 gene, C11orf14 gene, C11orf15 gene, C11orf16 gene and C11orf17 gene /cds=(66,791)	1	CTCATTTGTATTCAAGCCTTTAACAG GAGGGCAAAGAGGTGAGAATGTGT
4149	Literature	Hs.74621	U29185	2865216	prion protein (p27-30) (Creutzfeld- Jakob disease, Gerstmann-Strausler- Scheinker syndrome, fatal familial	1	GCACTGAATCGTTTCATGTAAGAATC CAAAGTGGACACCATTAACAGGTC
4150	Literature	NA	X04948	36891	insomnia) (PRNP), mRNA T-cell receptor alpha-chain HAP05 V(a)3.1/J(a)P	1	GCAGACACTGCTTCTTACTTCTGTGC TACGGATGGGAACAGAGATGACAA
4151	Literature	NA	X92768	1054779	mRNA for T-cell receptor alpha (clone XPBP53I)	1	GGGGAAACTGGAGGCTTCAAAACTAT CTTTGGAGCAGGAACAAGACTATT
4152	Literature	Hs.75064	NM_003192	4507372	tubulin-specific chaperone c (TBCC), mRNA /cds=(23,1063)	1	GGGGAAGGAGGGTGATTATATTGCTT TGTAATGGTTTGTGATACTTGAAA
4153	Literature	Hs.99093	BG179517	12686220	chromosome 19, cosmid R28379 /cds=(0,633)	1	GTACGAATGGGAGGTCCTCGACACC TGGGGAACTGCGGACTATGCGGCAG
4154	Literature	Hs.77356	NM_003234	4507456	transferrin receptor (p90, CD71) (TFRC), mRNA /cds=(263,2545)	1	TATCAGACTAGTGACAAGCTCCTGGT CTTGAGATGTCTTCTCGTTAAGGA
4155	Literature	Hs 194638	U89387	2253634	polymerase (RNA) II (DNA directed) polypeptide D (POLR2D), mRNA /cds=(30,458)	1	TGACCTCCACCAAAGCCCATATAAGG AGCGGAGTTGTTAAGGACTGAAGA
4156	Literature	Hs.15220	NM_022473	14784971		1	TTTCTCCGGACTCATCAGTAAACCTG TAGAAGTGTCGCTTTCCAGCCTTT
4157	Literature	Hs.326248	NM_014456	7657448	cDNA: FLJ22071 fis, clone HEP11691 /cds=UNKNOWN	1	TTTGTAAGCGAAGGAGATGGAGGTC GTCTTAAACCAGAGAGCTACTGAAT
4158	Literature	Hs.182447	BC003394	13097278	heterogeneous nuclear ribonucleoprotein C (C1/C2) (HNRPC), transcript variant 1, mRNA	1	AAAGTTGATACTGTGGGTTATTTTGT GAACAGCCTGATGTTTGGGACCT
4159	Literature	Hs.31314	X72841	297903	retinoblastoma-binding protein 7 (RBBP7), mRNA /cds=(287,1564)	1	AACTTTTACACTTTTTCCTTCCAACAC TTCTTGATTGGCTTTGCAGAAAT
4160	Literature	Hs.177592	NM_001003	4506668	ribosomal protein, large, P1 (RPLP1),	1	ACAGCCAAGACTTAGGTTACAGGGCA ACGCACTACTGTTCAGCTTTGAAT
4161	Literature	Hs 81361	M65028	337450	ribonucleoprotein A/B (HNRPAB),	1	ACGTGTCCTGATTTTGCCACAACCTG GATATTGAAGCTATCCAAGCTTTT
4162	Literature	Hs.279939	BC004560	13528728	transcript variant 1, mRNA mitochondrial carrier homolog 1 (MTCH1), nuclear gene encoding mitochondrial protein, mRNA	1	AGCTGTTGATGCTGGTTGGACAGGTT TGAGTCAAATTGTACTTTGCTCCA

Table 8

4163	Literature	Hs 241567	NM_002897	8400725	RNA binding motif, single stranded interacting protein 1 (RBMS1),	1	ATAAGGTGCATAAAACCCTTAAATTC ATCTAGTAGCTGTTCCCCCGAACA
4164	Literature	NA	BE874440	10323216	transcript variant MSSP-2, mRNA NIH_MGC_69 cDNA clone	1	CCAATGACAGCCTACCTATTACCAAG
4165	Literature	Hs 1074	BC005913	13543508	IMAGE 3891187 5', surfactant, pulmonary-associated protein C (SFTPC), mRNA	1	GGCTCCCCTACAACTCTGAACCTT GACAAACCCTGGAGAAATGGGAGCT TGGGGAGAGGATGGGAGTGGCAGA
4166	Literature	Hs 56205	BC001880	12804864	/cds=(27,620) insulin induced gene 1 (INSIG1),	1	GTGTCAGTGCCCAAAGGAGGGAGGT TGATGGTGCTTAACAAACATGAAGT
4167	Literature	Hs.77356	BC001188	12654696	mRNA /cds=(414,1247) transferrin receptor (p90, CD71) (TFRC), mRNA /cds=(263,2545)	1	TCATTGTATAAAAGCTGTTATGTGCAA CAGTGTGGAGATTCCTTGTCTGA
4168	Literature	Hs 194638	BC002958	12804200	polymerase (RNA) II (DNA directed) polypeptide D (POLR2D), mRNA /cds=(30,458)	1	TGACCTCCACCAAAGCCCATATAAGG AGCGGAGTTGTTAAGGACTGAAGA
4169	Literature	Hs.35406	AA057484	1550124	602675161F1 cDNA, 5' end /clone=IMAGE:4797783 /clone end=5'	1	TTGGCTTCATTACGAGAGAGAAACAT AACAGAGGCAGTGATGGTTTCAGA
4170	Literature	Hs 74451	X04106	35327	calpain 4, small subunit (30K)	1	TTTGTCTATATTCTGCTCCAGCCTG CCAGGCCAGGAGGAAATAAACATG
4171	Literature	Hs.13231	H17596	883836	(CAPN4), mRNA /cds=(158,964) od15d12.s1 cDNA	1	AGCACATTGGGAGATACATGATAAAT
4172	Literature	Hs.74002	U40396	1117914	/clone=IMAGE:1368023 mRNA for steroid receptor coactivator	1	TTCTATCTGCAGTTGCTATTTGCA GGCCCAGCAGAAGAGCCTCCTTCAG
4173	Literature	NA	X17403	59591	1e /cds=(201,4400) CMV HCMVTRL2 = IRL2	1	CAGCTACTGACTGAATAACCACTTT AATAATAGATTAGCAGAAGGAATAAT CCGTGCGACCGAGCTTGTGCTTCT
4174	Literature	NA	X17403	59591	CMV HCMVUL27	1	ACATTCAAAAGTTTGAGCGTCTTCAT
4175	Literature	NA	X17403	59591	CMV HCMVUL106	1	GTACGCCGTTTTCGGCCTCACGAG ACGAACAGAAATCTCAAAAGACGCTG
4176	Literature	NA	X17403	59591	CMV HCMVTRL7 = IRL7	1	ACCCGATAAGTACCGTCACGGAGA AGGAACCAGCAAGTCAACAAAAGACT
4177	Literature	NA	X17403	59591	CMV HCMVUL33	1	AACAAAGAAAAACCATCTTGGAAT CCAACGACACATCCACAAAAATCCCC
4178	Literature	NA	X17403	59591	CMV HCMVUL123	1	CATCGACTCTCACAATCGCATCAT CCTCTGGAGGCAAGAGCACCCACCC
4179	Literature	NA	X17403	59591	CMV HCMVUL75 Glycoprotein H	1	TATGGTGACTAGAAGCAAGGCTGAC GATGTCCGTCTACGCGCTATCGGCC
4180	Literature	NA	X17403	59591	CMV HCMVUS28	1	ATCATCGGCATCTATCTGCTCTACC TTCGTGGGCACCAAGTTTCGCAAGAA
4181	Literature	NA	X17403	59591	CMV HCMVUL21	1	CTACACTGTCTGCTGGCCGAGTTT GAGATCGACATCGTCATCGACCGAC
4182	Literature	NA	X17403	59591	CMV HCMVUL54	1	CTCCGCAGCAACCCCTACCCAATCC CTTTGAGCAGGTTCTCAAGGCTGTAA
4183	Literature	NA	X17403	59591	CMV HCMVUL83	1	CTAACGTGCTGTCGCCCGTCTTTC TCTTCTGGGACGCCAACGACATCTAC
4184	Literature	NA	X17403	59591	CMV HCMVUL109	1	CGCATCTTCGCCGAATTGGAAGGC AGAGAACAACAAAACCACCACGACGA TGAAACAAAACGCTCAACCAAACA
4185	Literature	NA	X17403	59591	CMV HCMVUL113; spliced to	1	GAGAAAAGATTGTGCGATCTCCCCCT
4186	Literature	NA	X17403	59591	HCMVUL112 CMV HCMVUL122	1	GGTTTCCAGCAGACTCTTGCCAGA CATCTTCTCCACCAACCAGGGTGGGT
4187	db mining	Hs.164427	Al307795	4002399		-1	TCATGCTGCCTATCTACGAGACGG TCCCATGTTCCCTTTATTTGTCTTTTG GTTCTGCTTTTTGGGAGATTTTT
4188	Table 3A	Hs 169168	AA977148	3154594	/clone=IMAGE:2055652 /clone_end=3' oq24g08.s1 cDNA, 3' end	-1	TGGTGCGCTTTTGTGTGCGGTGGAG
4189	Table 3A	Hs.117333	Al023714	3238758	/clone=IMAGE:1587326 /clone_end=3' mRNA for KIAA1093 protein, partial	-1	GAGTTCCTAACCCTCGGCTTGTTTT GCCGTTGGTTGGCTTAAACTTGGTTT
4190	Table 3A	NA	Al380955	4190797	cds /cds=(179,5362) tg18b08.x1 cDNA, 3' end	-1	CGTCACTTCGGGCACTTTGGTTTT CTGGCCTCCCCTGGCTCTTTAAGCTC
4191	Table 3A	Hs 93670	AA976045	3151837	/clone=IMAGE:2109111 cDNA: FLJ22664 fis, clone HSI08202 /cds=UNKNOWN	-1	CCCTTTGGTTAAAAACTGGGTTTT AAAAGGCCAAGGGTGTTGTTGGGGC GTCTGTCTAATGTGGTGGGTCTTTT
4192	Table 3A	Hs.332583	AA788623	2874972	yc77a06.s1 cDNA, 3' end	-1	GCTGTAAATCTCTGTCTCATCATCCTT
4193	Table 3A	Hs.71433	AA131524	1693030	/clone=IMAGE:21844 /clone_end=3' zl31h02.s1 cDNA, 3' end	-1	GTGTGTGCTGGCTGAGAAGCCACTG
4194	Table 3A	Hs 309127	Al380687	4190540	/clone=IMAGE:503571 /clone_end=3' tg03e04.x1 cDNA, 3' end /clone=IMAGE:2107710 /clone end=3'	-1	TGAATTGATTCTTCTTCTGAAGTTT AATAAGGGTGTTGCCCTTTGTTCCCT CACATAATCGTGAAAGGCTGCTTT
4195	Table 3A	Hs.102630	AA808085	2877491	602440867F1 cDNA, 5' end	-1	TTCCTCAGTCCCTGTTCATACCATCT CTGCACCCACAATCACACTGATTT
4196	Table 3A	Hs.134473	Al074016	3400660	/clone=IMAGE:4556561 /clone_end=5' oy66g02.x1 cDNA, 3' end /clone=IMAGE:1670834 /clone_end=3'	-1	GACCACAGATATCACACTGATTT GACCACAGATATGCACTCCTTACATT AACCTCAGCCTTGATGTATCATTT
4197	Table 3A	Hs.158653	Al370965	4149718	ta29b11.x1 cDNA, 3' end	-1	CCCCCTGTTATGAAAAGGGTTAAACT
4198	Table 3A	Hs 243029	AA424812	2106917	/clone=IMAGE.2045469 /clone_end=3' UI-H-BI4-aow-c-10-0-UI s1 cDNA, 3' end /clone=IMAGE:3086226	-1	TGAACCCACCCATTTTAAAAATTT TTATAGCTACCAGAAGCCACCAGGGC CTTAGCCCCAGCAGTAGAAACCTCT

4199	Table 3A	Hs.188777	AA432364	2114747	zw76a09.s1 cDNA, 3' end	-1	GATCAGTAGACACACCCCTCAATGCT
4200	Table 3A	Hs.132237	AI031656	3249868	/clone=IMAGE:782104 /clone_end=3' ow48e06.x1 cDNA, 3' end	-1	GCGAAGAAAATGAAGGCCACTCTT AGCAGACAATGGACAACTGTAGTTTT
4201	dh mining	Un 400445	A A 042720	0000442	/clone=IMAGE:1650082 /clone_end=3'		TGAATTGACTTCTATAGCCATCTT
	db mining	Hs 123445	AA013720	2002413	602623674F1 cDNA, 5' end /clone=IMAGE:4748515 /clone_end=5'	-1	TCCACCACAGTGCATGATAATTCCGA CAGAACGGCCTTTTATTTGTACCT
4202	Table 3A	Hs.143049	Al126688	3595202	Homo sapiens, Similar to DKFZP727C091 protein, clone MGC:10677 IMAGE:3948445, mRNA,	-1	TGTTCTCTGAACTGTCTGGATGAACC GGTCAACGGCACTCATCATACCTT
4203	Table 3A	Hs 108327	AA701667	2704832	complete cds /cds=(79,1530) damage-specific DNA binding protein 1 (127kD) (DDB1), mRNA	-1	GCTTCACTCTGCTTTCTGTATAAAGG GCAGTCTGTGGTCACGCAAGACTT
4204	Table 3A	Hs.270264	AA613224	2464262	no19d06.s1 cDNA, 3' end	-1	AGCAAAGACCAAATTCTCCTTGGGAA
4205	Table 3A	Hs.158976	Al380390	4190243	/clone=IMAGE:1101131 /clone_end=3' UI-H-BI2-ahi-a-03-0-UI s1 cDNA, 3'	-1	GTGTGGGAGCAGGCTGACATTATT GTCCTTTGATAGCAGAACAAGAGGCT
4206	Table 3A	Hs.204214	AA826926	2900923	end /clone≃IMAGE:2726692 EST389900 cDNA	-1	TCCACGACATGGTACAGCTCTTCACT
4207	Table 3A	Hs.326392	AA974839	3150631	son of sevenless (Drosophila) homolog	-1	GACAAGGCAATGCTCAACGACTTTCT
4208	Table 3A	Hs 53542	AI084224	3422647		-1	AGGATAATGGTGAAGGACTTTTGT TCAATAGTTGTGAAATTCTTCTCAGG
4209	Table 3A	Hs.173334	AA284232	1928532	complete cds /cds=(260,9784) ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2),	-1	CTCCTTAAACCCTCGCTTTGTTGT AGGCTTACGTTTATCCAAAAGCATTT CACCTTGCACATTACTGTTGTTGT
4210	db mining	Hs.86437	Al300700	3960046	mRNA /cds=(0,1922) 602411368F1 cDNA, 5' end	-1	ACAAGCATTTAGATCATAACATGGTA
4211	db mining	Hs 61558	Al220970	3803173	/clone=IMAGE:4540096 /clone_end=5' hz63d07.x1 cDNA, 3' end	-1	AAGCCTATTACCAGCCAATGTTGT TGTTTTGGCATAGAGCTTTACTTAAAA
4212	Table 3A	Hs 239489	AA639796	2563575	/clone=IMAGE:3212653 /clone_end=3' TIA1 cytotoxic granule-associated RNA-	-1	TGCTGCTTCATTTTACACATTGT TGGAGCTCAATTCTATGCAGTTGTGC
					binding protein (TIA1), transcript variant 2, mRNA /cds=(185,1345)		TGATATTTCATTAAGTCACTGTGT
4213	Table 3A	Hs.228795	Al094726	3433702	qa08f05.x1 cDNA, 3' end /clone=IMAGE:1686177 /clone_end=3'	-1	TTTCCCCTTGGCCTGAGTTTTTATAAA ATTTCCATTAATTGGGGCAGTGT
4214	db mining	Hs.62699	AA740964	2779556	EST386140 cDNA	-1	TGCAGCTAAATTCGAAGCTTTTGGTC TATATTGTTAATTGCCATTGCTGT
4215	Table 3A	Hs.124675	AA858297	2946599	ob13b08.s1 cDNA, 3' end /clone=IMAGE:1323543 /clone end=3'	-1	GGATTTGGAAGATGCTTTCAGAAATA TGGCATAGGTTTTTGTCGAAATGT
4216	Table 3A	NA	Al281442	3919675	cDNA clone IMAGE:1967452 3'	-1	AAAGAAAAATTCAGCCTGAACCCTAC CCTTATAAAACAGGTTAATTGGGT
4217	Table 3A	Hs.228817	AI199388	3751994	qs75e05.x1 cDNA, 3' end /clone=IMAGE:1943936 /clone_end=3'	-1	TGTAAGTCCCATGCCCGAATTTGGAG ATTTGGGTTTTTCTTTTC
4218	Table 3A	Hs.291003	AA504269	2240429	hypothetical protein MGC4707 (MGC4707), mRNA /cds=(72,1067)	-1	CGGATTCCAAATTACTTAAAGCCTTTA TGGGAACACGGTAGATTGTAGGT
4219	Table 3A	Hs 299416	AA132448	1694015	zo20a03.s1 cDNA, 3' end /clone=IMAGE:587404 /clone end=3'	-1	GCCTTCTGGCCTCTGAGGCAAAGGT CAGTGATACTGATGGGAGGGTAGGT
4220	Table 3A	Hs.6733	Al057025	3330814	phosphoinositide-specific phospholipase C PLC-epsilon mRNA, complete cds /cds=(235,7146)	-1	GCTCAAGATCACCTCTTTGTCATCTT GAACAATGTTTTTCTCTTCTAGGT
4221	db mining	Hs.177712	AA251806	1886786	zs09c03.s1 cDNA, 3' end	-1	TGTTTCCACTTCATGGGATATGACTC
4222	Table 3A	Hs.133175	AI051673	3307207	/clone=IMAGE:684676 /clone_end=3' oy77g06.x1 cDNA, 3' end	-1	CATCACAATGAAAATGGGTCCAGT TTGTGATTGTAAATCATGTATGTACAA
4223	Table 3A	Hs.203041	Al271437	3890604	/clone=IMAGE:1671898 /clone_end=3' 602417270F1 cDNA, 5' end	-1	ATGCCATGAAAATTAAAGCCAGT TTTCCCTTATGCACCTTCCAGTCTTTG
4224	Table 3A	Hs 56205	AA846378	2932518	/clone=IMAGE:4536737 /clone_end=5' insulin induced gene 1 (INSIG1),	-1	GCAGGACATGATTTATGGACAGT TGCACTCTACCAGATTTGAACATCTA
4225	Table 3A	NA	AA873734	2969856	mRNA /cds=(414,1247) Vanin 2	-1	GTGAGGTTCACATTCATACTAAGT TCAACTGCAGGGAATCTCCTAGGAAG
4226	Table 3A	NA	AA482019	2209697	cDNA clone IMAGE:746046 3'	-1	CGGATAAATCTGGCAATTGGAAGT ACCACCAGCTATTTGTAATTCCTTCTT
4227	db mining	Hs.182594	AA806247	2875516	oc21f01 s1 cDNA, 3' end	-1	CTAAGGCATAGTGAAAACTTGCT TCGCTTTCTAACTGATTCCATTCC
4228	Table 3A	Hs.210727	Al075288	3401879	/clone=IMAGE:1341529 oy69h10.x1 cDNA, 3' end	-1	CATGTCAGATACTCCTGGGCTGCT CAGCAATGAGGGGATATTTTTGATGA
4229	Table 3A	Hs 252300	Al383340	4196121	/clone=IMAGE.1671139 /clone_end=3' tc76g05.x1 cDNA, 3' end	-1	GCTGGAATATCCAATTGAACAGCT CCCCCTAAGTTAAAAGCTCTGTCTTT
4230	Table 3A	Hs.191958	Al347054	4084260	/clone=IMAGE:2070584 /clone_end=3' immunoglobulin superfamily receptor	-1	TTGGGGTTTGCCCTATGTAAAGCT GAAGCCTCTACTCTTGAGTCTCTTTC
4004					translocation associated 2 (IRTA2), mRNA /cds=(158,3091)		ATTACTGGGGATGTAAATGTTCCT
4231	Table 3A	Hs.283410	A1200134	3849663	602635144F1 cDNA, 5' end /clone=IMAGE.4780090 /clone_end=5'	-1	ACACTTGATCTCTTCCTTATTTCTCTC AGAAAACCTGTAGGATTGTGCCT
4232							
	Table 3A	Hs.44189	Al361839	4113460	yz99f01 s1 cDNA, 3' end /clone=iMAGE:291193 /clone_end=3'	-1	AGTAGATATTTTGCCGGTGTACTTGG AATACCTTTCAGAAGCCAAACCCT
4233	Table 3A Table 3A	Hs.44189 Hs.148288			•	-1 -1	

4234	Table 3A	Hs 143534	AI095189	3434165	602466053F1 cDNA, 5' end	-1	ACTGCTCCAAATATCAACCCCATGTA
4235	Table 3A	Hs.23349	Al357493	4109114	/clone=IMAGE-4594260 /clone_end=5' nab70e03.x1 cDNA, 3' end	-1	GGCAGGATGTTTGATCTTGGTACT TGTTGTTGGATACGTACTTAACTGGT
4236	db mining	Hs 292235	AI057035	3330824	/clone=IMAGE:3273292 /clone_end=3' oy75b11 x1 cDNA, 3' end	-1	ATGCATCCCATGTCTTTGGGTACT TTAGGATTGCTCAGTTTCATCAAGGT
4237	Table 3A	Hs 337986	AA101212	1647866	/clone=IMAGE:1671645 Homo sapiens, clone MGC:17431	-1	TTGAAGGATAGGCAGGCTCTCACT GGCCAGTCTCTGTGTGTCTTAATCCC
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	IMAGE.2984883, mRNA, complete cds /cds=(1336,1494)	,	TTGTCCTTCATTAAAAGCAAAACT
4238	Table 3A	Hs.60088	AA004799	1448296	hypothetical protein MGC11314 (MGC11314), mRNA /cds=(221,673)	-1	GCATTCCCGGTCACTCCCTCCCTAAT CTGAGCATCACTCAAGCTCTTTAT
4239	db mining	Hs.177376	AA744590	2783354	zb85a06 s1 cDNA, 3' end /clone=IMAGE:310354 /clone_end=3'	-1	CTGAATGCCAAGAGCTTCAAGAGTGT GTGTAAATAAAGCCACACCTTTAT
4240	Table 3A	Hs.163787	AA627122	2540166	nq70g02.s1 cDNA, 3' end /clone=IMAGE:1157714 /clone_end=3'	-1	CCCGAGGAGGAAGACGAATCGTTAA
4241	Table 3A	Hs.332992	AA760848	2809778	nz14f06.s1 cDNA, 3' end /clone=IMAGE 1287779 /clone_end=3'	-1	ACATCTGAAAGGGTCAGGTGAGTAT CAAACTTGTTCTGAAGACAATTTCCA
4242	Table 3A	Hs.129572	AA746320	2786306	ob08f01.s1 cDNA, 3' end /clone=IMAGE:1323097 /clone_end=3'	-1	AGGTTGTCAGCCATGTCACCATAT TCAGGTTCGTGTTAAACGCTGTATGT
4243	Table 3A	Hs.233383	AA745714	2785700	RC2-CT0434-310700-013-c08 cDNA	-1	TAACTATGACTGGAATTCTGTGAT ATGGAGATCCAGAGACGTTGGTTTTC AAATGGAGCAAACAGCACTGTGAT
4244	Table 3A	Hs.156601	AI146787	3674469	qb83f02.x1 cDNA, 3' end /clone=IMAGE:1706715 /clone end=3'	-1	AGCTTTAGGCTGAGGGCATGGAAACT GTTACGCTTTTCCTTTTATGTGAT
4245	Table 3A	Hs.273775	AA527312	2269381	ng36a08.s1 cDNA, 3' end	-1	TCACTCCAGAATAGAAATTAGAGTAT
4246	Table 3A	Hs.159316	Al380278	4190131	/clone=IMAGE:936854 /clone_end=3' cDNA. FLJ21572 fis, clone COL06651	-1	AGGTAGGCAGTCCAACCTCTGCAT TCAGATGCCACACTTATGAGACCCTC
4247	Table 3A	Hs.159424	Al380255	4190108	/cds=UNKNOWN 602589478F1 cDNA, 5' end	-1	ATCCTTCTGCTCACTCTCTTCCAT CCCTGCCTTTACCTCTCTACTTGTAG
4248	Table 3A	Hs.114931	AA702108	2705221	/clone=IMAGE:4723722 /clone_end=5' zi85e01.s1 cDNA, 3' end	-1	TGTTCTTTCAGAGCCTGCTCCCAT CAAAACAAGATGTGCCAGGGCCTGG
4249	Table 3A	Hs.179779	Al004582		/clone=IMAGE:447576 /clone_end=3' ribosomal protein L37 (RPL37), mRNA	-1	GGGATGGGATAATTTCAGAGAGAAT ACCCAAGAGGGCAGCAGTTGTGTCA
4250	Table 3A	Hs.100555		4089896	/cds=(28,321) DEAD/H (Asp-Glu-Ala-Asp/His) box	-1	TCCAGTTCATCTTAAGAATTTCAAT
4200	Table of	113.100000	A1002000	4003030	polypeptide 18 (Myc-regulated)	-,	GGGGTAGGAAGAGGATGGAATTGAG ATGTTTGAGCCTCATTTACATCAAT
4251	Table 3A	Hs.157213	Al351144	4088350	•—	-1	GCTCTCTGATGCTGGTGGCTGTTCCC
4252	Table 3A	Hs.77399	Al337347	4074274		-1	CCAGAATGGAAGCATTGATTAAAT GGGGAGAAGTGATATGGTGAAGGGA
					factor 2 (CDX2), mRNA /cds=(360,1301)		AGTGGGGAGTATTTGAACACAGTTG
4253	Table 3A	Hs.128630	Al222805	3805008	qp39c07.x1 cDNA, 3' end /clone=IMAGE:1925388 /clone_end=3'	-1	CACCATGCCTCACTTTTAGCGCAGTG TGATCCTACACAAATTGCCCTGTG
4254	Table 3A	Hs.270341	Al270476	3889643	602307338F1 cDNA, 5' end /clone=IMAGE:4398848 /clone_end=5'	-1	TATGGTTTTTAGGCTATGCAGATATTC TGTTGGTTTTTGAGACAGCTCTG
4255	Table 3A	Hs.190229	AA582958	2360318	nn80d08.s1 cDNA, 3' end	-1	CCTTCCTTTCTAAGGCATAAGTGCGA
4256	Table 3A	Hs.170333	Al373163	4153029	/clone=IMAGE:1090191 /clone_end=3' qz13a07.x1 cDNA, 3' end	-1	GAGAGGAAGGCAGACAGGCAGCCAT
					/clone=IMAGE:2021364 /clone_end=3'		TTTAAGAGAGAAGAGCCAGACAATG
4257	Table 3A	Hs.158289	Al199223	3751829	qi47c06.x1 cDNA, 3' end /clone=IMAGE:1859626 /clone_end=3'	-1	GTTATCAAAGGTGGAATCGGAAACAC CAGGCTCCTAGTGCCACGGAAATG
4258	Table 3A	Hs.29282	AA748714	2788672	mitogen-activated protein kinase kinase kinase 3 (MAP3K3), mRNA	-1	AAATGTGCCTATTGCTAGAGCTCCTC CCTCTCAACACCCAGTTTCCTTGG
4259	Table 3A	Hs.230752	Al025427	3241040	ow27g06.s1 cDNA, 3' end /clone=IMAGE:1648090 /clone_end=3'	-1	CAATCGTCTTATCTCTACAGAGAGAA
4260	Table 3A	Hs.131580	Al024984	3240597	ov39d11.x1 cDNA, 3' end	-1	GTGGAAAATTCTTTTTCAAGGGGG CTATGGAAGGCAGTTGGTGGGCAAA
4261	Table 3A	Hs 98306	AA418743	2080544	/clone=IMAGE:1639701 /clone_end=3' mRNA for KIAA1862 protein, partial	-1	AGTCCGGTTTTTACGCTTTGAGGGG GTCTGATCCTTAGACCGTCTCATCAC
4262	Table 3A	Hs.337307	AA719537	2732636	cds /cds=(0,1874) zh40g12.s1 cDNA, 3' end	-1	AGCAACCCTAACTGCAGAGCAGGG AATGGTAAGAAATGCCTTGTGTGGGT
4263	Table 3A	NA	AA136584	1697794	/clone=IMAGE:414598 /clone_end=3' fetal retina 937202 cDNA clone	-1	GGCCCTCCAGTCCCCAGTCCAGGG AACATATCCAGGGAGGACAAACTCTG
4264	Table 3A	Hs.339990	Al263141	3871344	IMAGE:565899 3' qw90c01 x1 cDNA, 3' end	-1	GCCTGGACAATGTATCCACAAGGG GCCCATGGTCCTAGAATTAATTCCCC
4265	Table 3A	Hs.309122	Al380449	4190302	/clone=IMAGE:1998336 /clone_end=3' tg02f12 x1 cDNA, 3' end	-1	TAAAAATTTTTGAAATAGGGGCGG GCCAACTGCTTAGAAGCCCAACACAA
4266	Table 3A	Hs.290535	AA719103	2732202	/clone=IMAGE:2107631 /clone_end=3' zh33d10.s1 cDNA, 3' end	-1	CCCATCTGGTCTCTTGAATAAAGG GAGCCCTTAAAATTACTGTATCTCCT
4267	Table 3A	Hs 188886	AA576947	2354421	/clone=IMAGE.413875 /clone_end=3' nm82b04.s1 cDNA, 3' end	-1	CTAAAGTGTGATTTAATGGCTGCG CTTTTGCTGGAGACTCATCGCTTTGG
4268	Table 3A	Hs.130232	AI089359	3428418	/cione=IMAGE:1074703 /clone_end=3' qb05h03.x1 cDNA, 3' end	-1	GAAGTGCATTTGCTTCGTCGTCCG CCCAGTTCACAGTAGAGAGGTGGAG
4269	Table 3A	Hs.44628	Al384128	4196909	/clone=IMAGE:1695413 /clone_end=3' EST389740 cDNA	-1	CTTAGTACTTCCTGCTGCCCATTAG CTGGGCTGTAGGTACTGCTGGGTCA
							CTGTTGCTATAAATGGTCACTGGAG

4270	db mining	Hs.164284	Al434146		ti36g07.x1 cDNA, 3' end	-1	CTTTAGATGTCCCACGTCCCTTCAAG
	-				/clone=IMAGE:2132604 /clone_end=3'		CACATGAAAGAGCTCACACTGGAG
4271	Table 3A	Hs 173720	AA534537	2278790	nf80h10.s1 cDNA, 3' end	-1	GACTCTGGAACTCGAGCGTGTGGCT GCTGCGCCGACAGCTGAATCTAGAG
		400004	4 4 077050	0050474	/clone=IMAGE.926275 /clone_end=3'	-1	CCTTAGAGATCGTGACCCTTCCTGCT
4272	Table 3A	Hs 120891	AA677952	2658474	zi14a06.s1 cDNA, 3' end /clone=IMAGE:430738 /clone_end=3'	-1	TGCCTCCCTGGTGGGCTCTTTCAG
4273	Table 3A	Hs.142838	Al299573	3050158	nucleolar protein interacting with the	-1	AGAGTGAGAAGGCAGTTCCAGTTTTA
4213	Table 3A	115.142030	A1299010	5555100	FHA domain of pKi-67 (NIFK), mRNA		GCACAGATTTGTTTATGTGTTCAG
					/cds=(54,935)		
4274	Table 3A	Hs.8724	Al298509	3958245	serine threonine protein kinase (NDR),	-1	TCTCAAGAGAGAACGCCACAGCAGA
					mRNA /cds=(595,1992)		GAGACCCAATCCGCCTAAGTTGCAG
4275	db mining	Hs.204873	AI086035	3424458	oy70h04.x1 cDNA, 3' end	-1	AGGTTTGGGGAGGGGTCCCAGTCTG CGATCCTTTCTCCCTCTTCGTGCAG
				0050000	/clone=IMAGE:1671223 /clone_end=3' zinc finger protein 6 (CMPX1) (ZNF6),	-1	CCTCAGCTTCCCAACTCTGATTCCAGG
4276	Table 3A	Hs.323950	AA916990	3030302	mRNA /cds=(1265,3361)	-,	ACAGGATGGAAAACCTTTGGACAG
4277	Table 3A	Hs.144114	AI074020	3400664	oy66g06.x1 cDNA, 3' end	-1	AATCCCTTGTACCATGTATACAAATG
72/1	Table or	110.144114	7.1107 7.020	•	/clone=IMAGE:1670842 /clone_end=3		AGACAAGTGAGCTTGACATTCAAG
4278	Table 3A	Hs.235042	Al076222	3405400	oy65b09.x1 cDNA, 3' end	-1	GCTACAGCCCGGAACACAAAAGAAG
					/clone=IMAGE:1670681 /clone_end=3'		ACACCCATGCAAATACCATTAAAAG
					uron-on and a DNA of and	-1	ATTAACCCTTTATTGCCCTAGCCAGT
4279	Table 3A	Hs.158975	Al380388	4190241	tf96a03.x1 cDNA, 3' end /clone=IMAGE:2107084 /clone_end=3'	-1	GGGTGGGAGGGAGAGATTGTTTC
4000	Table 3A	NA	Al361642	A113263	qy86d04.x1 cDNA, 3' end	-1	GTTATCCTTAGGCCAGGTCTCCCACC
4280	Table SA	INC	A1301042	4110200	/clone=IMAGE:2018887	•	TTTGAGCCGGACAAAACCAGAGTC
4281	Table 3A	Hs.34549	Al123826	3539592	602620663F1 cDNA, 5' end	-1	TGCTGCTACAGTTGCAAAACACTGGA
					/clone=IMAGE:4746422 /clone_end=5'		GCTAGAGAAAATAAAGTACTGATC
4282	Table 3A	Hs.185062	AI085568	3423991		-1	CGAGAGTCTTGCTGAGCCAGGACTT
				0050700	/clone=IMAGE:1670961 /clone_end=3'	-1	GAGTGCCTCGAAGTTTTCAATGATC ATCAGGAGAGGGAGATAATTAGTTGC
4283	Table 3A	Hs.180201	AA516406	2253768	hypothetical protein FLJ20671 (FLJ20671), mRNA /cds=(72,494)	-,	TTCCTCCTTCACACTGTTTGAATC
4284	Table 3A	Hs.54452	AI041828	3281022	zinc finger protein, subfamily 1A, 1	-1	TTGCCCTTTCCTCTCACTGCCTTTTAT
4204	Table 5A	113.04402	7110-11020	0201022	(Ikaros) (ZNFN1A1), mRNA		AGCCAATATCAATGTCTCTTTGC
4285	db mining	Hs.206654	AA705316	2715234	EST368531 cDNA	-1	ATCCCTATTGCCAGACACATCATTCT
	_						CTCCATCCAGAAAGCCAACTTTGC
4286	Table 3A	Hs.147040	AI187423	3738061		-1	CTCTCTTCATCTTCTGATTGGGATTGT GTCCAGTCCTCTGCTTCTTCTGC
4007	T-61- 04	Un 405000	A A 490007	2240020	/clone=IMAGE:1751623 /clone_end=3' aa57f07.s1 cDNA, 3' end	-1	GAGGGTTCTAGCAACTTAATCCCATT
4287	Table 3A	Hs.105230	AA489227	2210029	/clone=IMAGE.825061 /clone_end=3'	•	AGCATGTTAGCTGAAGACTACTGC
4288	db mining	Hs.309108	Al378046	4187899	. -	-1	GTCCCAAGGGTCAGTATATTGGAGGA
7200	ab mining	7.0.000.00	,		/clone=IMAGE:2091815 /clone_end=3'		AAGTAAAGGAGTGAATCAGACTGC
4289	Table 3A	Hs.209203	Al343473	4080679	tb97a08.x1 cDNA, 3' end	-1	CTGGAATTACTAATGTGGAGGTGATC
					/clone=IMAGE:2062262 /clone_end=3'		TGAGAACTGGGAACAAGTAGGGC
4290	Table 3A	Hs.158966	Al380236	4190089	tf94b10.x1 cDNA, 3' end /clone=IMAGE:2106907 /clone_end=3'	-1	TCCAGGGACTGACAAGAGTGAGTGG TGTCAACCTAAAGAGAAACTCAGGC
4291	Table 3A	Hs.50477	AA923567	3070876	Rab27a mRNA, complete cds	-1	CAGAACTCCATAGACAGCCTCACTTT
4291	Table 3A	115.50477	A1323307	0070070	/cds=(245,910)	-	GTGCTCGGGGGCCTGTCCCAAGGC
4292	Table 3A	Hs.133230	AA984890	3163415	Homo sapiens, ribosomal protein S15,	-1	GCACTTCTCCCGGTTCATCCCTCTCA
					clone MGC:2295 IMAGE:3507983,		AGTAATGGCTCAGCTAATAAAGGC
					mRNA, complete cds /cds=(14,451)		TCCATCTCCTTTCTACTGTAGCGGAG
4293	Table 3A	Hs.165051	Al248204	3843601		-1	ACTACAAGTCCCAGGATGCCCCGC
4004	Table 00	NIA	A A 602244	2660135	/clone=IMAGE:1849509 /clone_end=3' schizo brain S11 cDNA clone	-1	CCACATTCTTGCTGTCCACATCCTGC
4294	Table 3A	NA	AA683244	2003100	IMAGE:971252 3'	•	TGGGTGAAATTGTGTTGAAGTAGC
4295	Table 3A	NA	AA826572	2898398	cDNA clone IMAGE:1416447 3'	-1	TGACTGTCTTGGTAATTTTCTTCCTTG
						_	TTTTACTTCTGGAAACTGGGAGC
4296	Table 3A	Hs.11637	Al275205	3897479	602388093F1 cDNA, 5' end	-1	TGACTTTCAGGAATGTCAGCATTGAC CTCTCCTTGCCACTGTTACTCAGC
4007	T-11-04	Un 04840	A1424049	2601024	/clone=IMAGE:4517086 /clone_end=5' AL562895 cDNA	-1	AAGTTTGTGCAGCACATTCCTGAGTG
4297	Table 3A	Hs.21812	Al131018	3001034	/clone=CS0DC021YO20-(3-prime)		TACGATATTGACCTGTAGCCCAGC
4298	Table 3A	Hs.21812	Al888714	5593878	AL562895 cDNA	-1	AAGTTTGTGCAGCACATTCCTGAGTG
					/clone=CS0DC021YO20-(3-prime)		TACGATATTGACCTGTAGCCCAGC
4299	Table 3A	Hs.59459	AA889552	3016431	ak20d12.s1 cDNA, 3' end	-1	ACCAGACTTCAGGAAGAATAAAGGTC
					/clone=IMAGE:1406519 /clone_end=3'	4	GCCAACTCAATAAAACCACCAAGC ACTTGCCACATAAACAGTTCCATCAT
4300	Table 3A	Hs 230805	Al087055	3425478	oy70c09.x1 cDNA, 3' end /clone=IMAGE.1671184 /clone_end=3'	-1	AAAAACTCTTCCCCTTCTTGTTCC
4301	Table 3A	He 125609	Al380443	4190206	tg02f04 x1 cDNA, 3' end	-1	GCTTCCTTGAACCACCCAGAAATCCA
4301	i abic JA	113.120000	/11000440	7,00230	/clone=IMAGE:2107615 /clone_end=3'	•	CTCAAATTTGGGGATTGTCATTCC
4302	Table 3A	Hs.229385	Al354231	4094384	qv12c04.x1 cDNA, 3' end	-1	GGGGGTGATGGGTTAATTAAATAAGT
-					/clone=IMAGE:1981350 /clone_end=3'		CCATTCCTGGGATTTGAGGGGGCC
4303	Table 3A	Hs.330928	Al371227	4149980	601659234R1 cDNA, 3' end	-1	ATGCCCCTCGTCCTAGAATTAATTCC CCTAAAAATCTTTGAAATAGGGCC
***		Un 444450	A1120020	2645644	/clone=IMAGE:3895641 /clone_end=3' tx43b11.x1 cDNA, 3' end	-1	TCAAACTAAGACCAGGGTTGAAAACT
4304	db mining	⊓S.141153	Al139639	30430 I	/clone=IMAGE:2272317 /clone_end=3'	-•	ATGGCCCAGGGACCACTTCCAGCC
4305	Table 3A	Hs.134342	Al363001	4114622	mRNA for LanC-like protein 2 (lancl2	-1	GACGCGCACACCTTGAGTGACAG
					gene) /cds=(186,1538)		CGACCTCTTCTCTACAGGTTTTCCC

Table 8

4306	Table 3A	Hs.226755	AA909983	3049273	RC1-UT0033-250800-022-h02 cDNA	-1	ATCCAAGCTTTAATTCTGCCATCTCA GAATGGTGATAAACCATTTCTCCC
4307	Table 3A	Hs 158894	Al378457	4188310	tc79d10.x1 cDNA, 3' end	-1	TACTTCATTGCTATTGTAAACCAAAAA TAAAATTTGAAGCCCCCTGCCCC
4308	Table 3A	Hs 127327	Al084064	3422487	/clone=IMAGE:2072371 /clone_end=3' EST390862 cDNA	-1	CTTCATCACTCAGGAAACAGAAAAGG
4309	Table 3A	Hs 295945	AW081320	6036472	xc30f12.x1 cDNA, 3' end	-1	CTTCAGAAGGAGCGGCCATGCCCC AGAACCCGTATTCATAAAATTTAGAC
4310	Table 3A	Hs 143410	AA825245	2898544	/clone=IMAGE.2585807 /clone_end=3' oe59g09.s1 cDNA, 3' end	-1	CAAAAAGGAAGGAATCGAACCCCC TTTTCTATTTTCATCTGTCATTTTCAC
4311	db mining	Hs.228874	Al356505		/clone=IMAGE:1415968 /clone_end=3' qz22b04.x1 cDNA, 3' end	-1	TGCAGAGCGCACCTCCCGGACCC AGACTGAAGGGGTTGAAAGACCCGT
	-				/clone=IMAGE.2027599 /clone_end=3'	-1	AGACGCTCCTTTCCTCTTTTAGACC CTCTGCGGCCCTAGAGTTAATCCCAT
4312	Table 3A	NA	Al364936		qz23c12.x1 cDNA, 3' end /clone=IMAGE:2027734		CAGCCGAGGTGAGGCACCTGTTAC
4313	Table 3A	Hs.125892	Al378032	4187885	te67g08.x1 cDNA, 3' end /clone=IMAGE:2091806 /clone_end=3'	-1	CCAATTCCGCAGTACAGAGCATTCAG CAGGTAGTGGTGACCCTGGGTGAC
4314	Table 3A	Hs.158943	Al379953	4189806	tc81a07 x1 cDNA, 3' end /clone=IMAGE-2072532 /clone_end=3'	-1	GGCTCCAGCCACCGGCAGCTCTGAA AGAGTTTGAAGAATTTATTGTTCAC
4315	Table 3A	Hs.108124	Al362793	4114414	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	-1	GCTCGCTACCAGAAATCCTACCGATA AGCCCATCGTGACTCAAAACTCAC
4316	db mining	Hs 129332	AA992299	3179055	ot53b06.s1 cDNA, 3' end /clone=IMAGE:1620467 /clone_end=3'	-1	CACTGGAACACAACCCAGCCATGAAA AGGAAGAAGCTCTGACTCAGGCAC
4317	Table 3A	NA	Al318342	4034222	ta73c09.x1 3' end	-1	CATCTCATGCGTAGCACTGATCAATG TGCCCCAGGGTGTGTATTCGCCAC
4318	Table 3A	Hs.157447	AI028478	3245787	/clone=IMAGE 2049712 EST388739 cDNA	-1	CAATCAGAGCGCGAGTTACAAGCGC
4510	Table 0A	113.107447	711020470	0240701	201000100 02.11		GGTGGAGTGGGGAAGCGAATGAAAC
4319	Table 3A	Hs.205175	AA885473	2994550	am10c12.s1 cDNA, 3' end	-1	GACATTGCACATTTTTGAACCTGTCT ACAGCAGCCTGGGTTGGTCACAAC
4320	Table 3A	NA	Al370412	4149165	/clone=IMAGE:1466422 /clone_end=3' cDNA clone IMAGE:1987587 3'	-1	ACACTGGCAGAGTCCAGAAAAGCAG
4321	Table 3A	Hs.132594	Al346336	4083542	qp50b04.x1 cDNA, 3' end	-1	CAGAAGAAAAATTCAGAGCAAAAAC TTTAACGTGCTTCTGAGACAGCCACC
4322	Table 3A	Hs.50252	AA984245	3162770	/clone=IMAGE:1926415 /clone_end=3' mitochondrial ribosomal protein L32	-1	ACCGAAAGGCACCTTTAGCGGTTA TCAGCCAACCTGAATCTGGTATCTTT
4323	Table 3A	NA	AA744774	2783538	(MRPL32), mRNA /cds=(46,612) cDNA clone IMAGE:1283731 3'	-1	ACTTAAACACAGCAGTTGTAGTTA AAAAGGAGACGATGTCAGGCAAACA
							CTCCTTACCCTGCCATTTCTAGTTA
4324	db mining	Hs.15200	AW190635	6465115	EST379783 cDNA	-1	TCACAATCAGTCTCAGATTCCCAGCA GCAGAGAGTGAATTGTATGTTGTA
4325	Table 3A	Hs.276766	Al380791	4190644	tg04b12.x1 cDNA, 3' end /clone=IMAGE:2107775 /clone_end=3'	-1	TAAAGACAATGCTATTTAAGTGCACA GTTCCAGGGGCGCTTGTGGCTCTA
4326	Table 3A	NA	AA573427	2347955	cDNA clone IMAGE:1028913 3'	-1	GAAGACCAAGTCTACGCCTGCAAGCT CTCAGACCGGGAACATCCACTCTA
4327	Table 3A	Hs.127557	AA953396	3117543	on63h10.s1 cDNA, 3' end /clone=IMAGE:1561411 /clone end=3'	-1	CTGAAGAGACAGAAAGGGAGACACC AAAACTTTAATGGCAGTTATTCCTA
4328	Table 3A	Hs.124391	AA831838	2904937	oc85h06.s1 cDNA, 3' end	-1	GCCGCCCCATGAAGCCCTTTCTTAC TGTAAGTGCTCAAGAACAAAGATA
4329	Table 3A	Hs 210943	AI823511	5444182	/clone=IMAGE:1356539 /clone_end=3' wh54h10 x1 cDNA, 3' end	-1	GCTAGCACGACTCTGCCTTGTTCCTT
4330	Table 3A	NA	AA757952	2805815	/clone=IMAGE:2384611 /clone_end=3' zg49e07.s1 3' end	-1	TGGAGACAATTGTTATCATCAATA ATTGGGAATATAGATCATCAACAGAC
4331	Table 3A	Hs.10056	AA576946	2354420	/clone=IMAGE.396708 / hypothetical protein FLJ14621	-1	ACAGCCCTGGACGCATAAATTTGA ACTAACGTATTTCATCATGGAAGGTC
		11 400450	41040077		(FLJ14621), mRNA /cds=(525,1307)	4	CTGTGGTGATGGTTTTCCCTGGGA AAGTAATAGCTCCCTGTTTGTGCCTT
4332	Table 3A	Hs.132156	Al042377	3281571	ox62c03.x1 cDNA, 3' end /clone=IMAGE:1660900 /clone_end=3'	-1	GTTAGGGCTAGGGATGTTTAAGGA
4333	Table 3A	Hs.173125	Al052431	3308422	peptidylprolyl isomerase F (cyclophilin F) (PPIF), mRNA /cds=(83,706)	-1	AGCTCCTCCCCTTAGTGACCCCAAGT CTGTTTCCCTCAGCTGCATAAGGA
4334	Table 3A	Hs.122983	AI081246	3418038	oy67b06.x1 cDNA, 3' end /clone=!MAGE.1670867 /clone_end=3'	-1	CCCTCAAATCTCCCAATCTACTCCAG GGAAAAGACACTTCAAGTGAGAGA
4335	db mining	Hs.85923	AA194310	1784006	zq04g12.s1 cDNA, 3' end /clone=IMAGE:628774 /clone_end=3'	-1	ACATGCAAACAGTGACTTACTTAGTG CTTCTGAAAAATTTCTGAGTCAGA
4336	Table 3A	Hs.118659	AI052447	3308438	oz07g04.x1 cDNA, 3' end	-1	AATGCCCATTGGTAAGTCAACATTGT TTTCCCTGAAAGTCCTGAGACAGA
4337	Table 3A	Hs 231154	AA761571	2818898	/clone=IMAGE:1674678 /clone_end=3' oa30h07.s1 cDNA, 3' end	-1	CCATGTTTGCTGCTGCTGTTGAGTTT
4338	Table 3A	Hs.57787	AW029440	5888196	/clone=IMAGE:1306525 /clone_end=3' 602381381F1 cDNA, 5' end	-1	CTGTGCTTTGGGAGTATAATAAGA TGTGTTTGGTTGGGTGTAATGAGGAA
4339	Table 3A	Hs.57787	AA588755	2402486	/clone=IMAGE:4498845 /clone_end=5' 602381381F1 cDNA, 5' end	-1	AATACCTGATAAAATGTCTGAAGA TGGATAAGTGAAGACAGTAATAACAT
40.40	Table 04	NI A	A A 074004	2450700	/clone=iMAGE:4498845 /clone_end=5'	4	TGAAGCAGTGAACCAGTGGAAAGA AGCACAAAAATGTTGAAGTATTAGGC
4340	Table 3A	NA	AA974991		Soares_NFL_T_GBC_S1 cDNA clone IMAGE:1560953 3'	-1	CCAAGCTCCATGTTTGGTTAGTCA
4341	Table 3A	Hs.127514	AI028267	3245576	ow01d06.x1 cDNA, 3' end /clone=IMAGE:1645547 /clone_end=3'	-1	CGTTTAACAATAATAAAGGTGACTGC TTCATCTAAGGAATCCGAGCCGCA
4342	Table 3A	Hs 88130	Al184553	3735191		-1	GGGCATTCCACCGAAATTCTTGGGGA AATTTAGTAGCCTTCATTTTAGCA

4343	Table 3A	Hs 158965	Al380220	4190073	tf94a04 x1 cDNA, 3' end	-1	TCCATGTTCTGTGCAAGAAGGAGACA
4044	Table 24	Un 026002	Al379474	4189327	/clone=IMAGE:2106894 /clone_end=3' 602631538F1 cDNA, 5' end	-1	CATTTTCAGTTGAGGTTCCCAGCA AGCTCAACACTGTGGTAGGAAAATAG
4344	Table 3A	Hs 235823	A1379474	4105527	/clone=IMAGE 4776728 /clone_end=5'	•	CCACTAGAAAGAAATAAAAAGCA
4345	db mining	Hs 229560	Al373169	4153035	qz13b11 x1 cDNA, 3' end	-1	GCATCTCCAGGGTTTAGCATCAGGAC
1216	Table 3A	Hs 146627	Al141004	36/8/61	/clone=IMAGE 2021373 /clone_end=3' oy68f02.x1 cDNA, 3' end	-1	AGAGGATTAAGTAAATTCTTTCCA GAGACTACAGAGCCTTAGCCCCTTTA
4346	Table 3A	⊓S 140027	A1141004	3040401	/clone=IMAGE:1671003 /clone_end=3'	-,	AAGCCCTTAAAGTTACTACTTCCA
4347	Table 3A	NA	AA431959	2115667	cDNA clone IMAGE:782188 3'	-1	AGAGCAAGTCTCAGAAATAATGCTGT
4348	db mining	Hs 56156	AA257976	1894471	601463367F1 cDNA, 5' end	-1	TGGTTCTCGATTTGTATTTGCCA
4040	GD Hilling	113 30 130	747231376	1004471	/clone=IMAGE:3866512 /clone_end=5'	•	TGGATATGTCAATTAAAATGCCCA
4349	Table 3A	Hs 264298	Al380111	4189964	tf98a11.x1 cDNA, 3' end	-1	GCAAGACTGTTCAGTATTATGTTAGC
4350	Table 3A	Hs.40411	Al266255	3884413	/clone=IMAGE:2107292 /clone_end=3' gx69f01.x1 cDNA, 3' end	-1	ATTGATATAAAAAGAAGCAGACCA AATGTTCCCAAAGGCCAAATTTGTTG
4000	Table of t	110, 10 111	,	000,,,,	/clone=IMAGE:2006617 /clone_end=3'		CCAGGTTTTATACGCAGGTCACCA
4351	Table 3A	Hs.90753	Al223400	3805603	Tat-interacting protein (30kD) (TIP30), mRNA /cds=(98,826)	-1	TGCCTATTGTGATTATCGCTATCACTA CATCCCCTGACTAAGGGAAACCA
4352	Table 3A	Hs.192427	Al380016	4189869	602296277F1 cDNA, 5' end	-1	ACAAAATTCACTGCAGGTCGGTGGAA
					/clone=IMAGE:4390770 /clone_end=5'		TGATAGAATGCATTTTAAATCACA
4353	Table 3A	NA	AA524720	2265648	cDNA clone IMAGE:937468 3'	-1	GGACGGTTGGCTGAATGGCAACAGT GATGGAATATTTATATTTAGCCACA
4354	Table 3A	Hs.92909	AA187234	1773460	NREBP mRNA, complete cds	-1	ACATTGCACATTTAATAGCTGCACCA
				4407000	/cds=(49,7209)	4	GACACTAAGAGTTCCTCTCACACA CGCTTGTCCTGTGAGTAGCTCGTCAC
4355	Table 3A	Hs.158877	Al378113	418/966	tc80c12.x1 cDNA, 3' end /clone=IMAGE:2072470 /clone_end=3'	-1	CTGAGGCCTTGTCGTGAATATTAA
4356	Table 3A	Hs.314941	A1039890	3279084	602381893F1 cDNA, 5' end	-1	TGGAGCAAACCACAGTTTCATGCCCA
4057	Table 24	Hs.157813	A1264764	4442202	/clone=IMAGE:4499447 /clone_end=5' qz19a07.x1 cDNA, 3' end	-1	TCGTCCTAGAATTAATTCCCCTAA GGGACAACACAGTGGATTTGAAATCT
4357	Table 3A	MS. 137013	AI301/01	4113302	/clone=IMAGE:2021940 /clone_end=3'	-,	GAAGGGCATTGGTGGTACTGGAA
4358	Table 3A	Hs.205079	AA742400	2784400	EST388750 cDNA	-1	ACCTCCATATCTTCTCGTACTTGTTCC
4359	Table 3A	Hs.87908	Al381586	4194367	Snf2-related CBP activator protein	-1	TGCTGGTCTCTTAGCTCTCCGAA CGAGGATGGTTTCCTGATAGCTTTCA
4000	Table of	110.07 000	711001000		(SRCAP), mRNA /cds=(210,9125)		AACACCTTTGCCATCTCTTCGCAA
4360	Table 3A	Hs.208854	A1766620	5233129	nab69e11.x1 cDNA, 3' end	-1	ACTCCTGACAGCTCATCCTGCAAAAT TAAAATCCAAAATTTAAGTCGCAA
4361	Table 3A	Hs.157556	Al356405	4108026	/clone=IMAGE:3272949 /clone_end=3' qz26g04.x1 cDNA, 3' end	-1	GCTGGATCTCTGCCTAAAGTCACGGT
					/clone=IMAGE:2028054 /clone_end=3'		AGGATGAGAAGTAGAAACGAGCAA
4362	Table 3A	Hs.182594	AA806222	2874997	wd43h11.x1 cDNA, 3' end /clone=IMAGE.2330949 /clone_end=3'	-1	TCAGACCATAGGTGGGTGTTGTTTCT TTTAAGTGTGTGTGTACTGTGTCCAA
4363	Table 3A	Hs 164168	AA806766	2880855	ob58h11.s1 cDNA, 3' end	-1	TCATCTATGTAGCTTAATCTCATCGAC
					/clone=IMAGE:1335621 /clone_end=3'		GTTTCGGTTCATTTCCTGCACAC
4364	Table 3A	Hs.291129	AA581115	2358887	oe10d02.s1 cDNA /clone=IMAGE:1385475	-1	TTCCTTTTCCGCTAATCAAGAGTCCA GGGAGGTGGGAACAGCCTCAACAA
4365	Table 3A	Hs.33757	Al114652	6359997	HA1247 cDNA	-1	CCGGCAGCTGTGTTTAGCCCCTCCA
4366	Table 24	He 121700	AA767883	2824475	ai35b09.s1 cDNA, 3' end	-1	GATGGAAGTTTCACTTGAATGTAAA ACAAAGGAATGAAGCTTTATGACAGG
4300	Table 3A	HS. 121705	AA707003	2024473	/clone=1358969 /clone_end=3'	- 1	GCACGTGAAATGTTTATAGTGAAA
4367	Table 3A	NA	Al335004	4071931	tb21e09.x1 cDNA, 3' end	-1	ACTAAAGGTCACAACCCATTAACAAC CATGAAATTGGTGTTGGGAAGAAA
4368	Table 3A	Hs.157815	Al361849	4113470	/clone=IMAGE:2055016 /clone_end=3' qz19h11.x1 cDNA, 3' end	-1	TGCTCAGGAAACCAAAAAGGATGTCT
4000	Tubic of t	110.101010	711001010		/clone=IMAGE:2022021 /clone_end=3'		GCATGGAGGACAAAAAGGCACAAA
4369	Table 3A	Hs 98903	AA913840	3053232	602680377F1 cDNA, 5' end /clone=IMAGE:4813147 /clone_end=5'	-1	TGAGAACCGCGCACCCTACCCATCG GCCACGTGACCAGTCCTTTTTAAAA
4370	Table 3A	Hs 292276	Al184710	3735348	qd64a01.x1 cDNA, 3' end	-1	GTCTTTGGGTCAGTGTCATCATTCTC
1071	T-11- 0A	11- 440044	A1057040	4400004	/clone=IMAGE:1734216 /clone_end=3'	4	TTCAAGTCTGGGGCTTGGGGAAAA CTCCACACAGGAGAATCTCGGCGATT
4371	Table 3A	Hs.143314	Al35/640	4109261	qy15b06 x1 cDNA, 3' end /clone=IMAGE:2012051 /clone_end=3'	-1	TACACCCACAGGCTACGCAGAAAA
4372	Table 3A	Hs.259084	AI144328	3666137	hg02g06.x1 cDNA, 3' end	-1	GCGCTGCTCCCAAAATCTATCTGCTG
4373	db mining	He 327454	Al378123	4187976	/clone=IMAGE:2944474 /clone_end=3' tc80e02.x1 cDNA, 3' end	-1	TTTAATAGTTTTTACCTTTCAAAA GGGTTCAGGGGGTTTTCCCTTTGCCC
45/5	db manig	115 52/454	A1370123	410/3/0	/clone=IMAGE:2072474 /clone_end=3'	•	GTTTGGCCCTGGGTTTAATAAAAA
4374	db mining	Hs.132775	Al028477	3245786	ti02c07.x1 cDNA, 3' end	-1	CCAACTCCTCACAGGGCAGGCTAGC GGGCACCAGGTCGCCGGGGAAGTG
					/clone=IMAGE:2129292 /clone_end=3'		G
4375	db mining	Hs 283392	Al052781	3308772	oy78h07.x1 cDNA, 3' end	-1	CGGCTGAGAGCCCGGTAGGGCCCAG
					/clone=IMAGE:1671997 /clone_end=3'		GGGCCAAGCGCAGGCAGAGGCCGC G
4376	db mining	Hs 270564	Al361877	4113498	qz25d07.x1 cDNA, 3' end	-1	CTTGGGGTCCAGGGCACAGCGGTGC
	•				/clone=IMAGE:2027917 /clone_end=3'		CGGGGACACAGCAGTTCCGAGGGTC
4377	db mining	Hs 110059	AA82600	2898912	601763318F1 cDNA, 5' end	-1	AGTATGGTAATTAGAAAGCATGTTAG
	_				/clone=IMAGE.4026173 /clone_end=5'		AACATGTGGAAAAAGGGGGAAAAA
4378	Table 3A	NA	Al027844	3246543	cDNA clone IMAGE:1671612 3'	-1	CATCAGTCCTCATCAGCTGAAGTGGC TTCCCAAGGATTTAAATAAATAGT

4379	Table 3A	Hs.229374	Al380491		602851994F1 cDNA, 5' end	-1	AGACATTGACTACAGGGTAATTTCTA
4380	Table 3A	Hs.124344	H12462		/clone=iMAGE·4993678 /clone_end=5' MR1-GN0173-071100-009-g10 cDNA	-1	TGATTATTATTTAGAAGTATGA CCAGTGAACTGTTAGCAACAATGCAG
4300	Table 3A	115.124544	1112402	077202	Witt-Gito 170 07 1100 000 g 10 0510 1	·	AAGAATCTGCATGTAATAAACTGA
4381	Table 3A	Hs 144119	Al090305	3429364	oy81b01 s1 cDNA, 3' end /clone=IMAGE:1672201 /clone end=3'	-1	ACTTAAATGCCTTTTAATTTTTGTCGA TGTAATAGTTTAATACCAGTAAA
4382	Table 3A	Hs.333513	Al379735	4189588	small inducible cytokine subfamily E,	-1	TTTTTAATTCTAGCTTCTTTTTAAAGA
4302	rable 3A	113.000010	A101 91 00	4100000	member 1 (endothelial monocyte- activating) (SCYE1), mRNA	·	TTATTTGGGTACCTAATAAAGGA
4383	Table 3A	Hs 135339	AI051664	3307198	oy77f06.x1 cDNA, 3' end	-1	CAAAGCCTCCACAGGAGACCCCACC
					/clone=IMAGE:1671875 /clone_end=3'		CAGCAGCCCAGCCCTACCCAGGAG
4384	db mining	Hs.2186	AA182528	1766227	Homo sapiens, eukaryotic translation	1	CGAGTGACATTGGCTGACATCACAGT
4504	do mining	113,2100	74102020	1100227	elongation factor 1 gamma, clone	•	TGTCTGAACCTGTTGTGGCTCTAT
					MGC:4501 IMAGE:2964623, mRNA,		
4205	dh minina	Hs.101370	A A 297260	1932959	complete cds /cds=(2278,3231) AL583391 cDNA	1	TGAATTGCTTCAAAACCTCTTCCATCT
4385	db mining	115.101570	AA201200	1502555	/clone=CS0DL012YA12-(3-prime)	•	CAGAAGACCAGACCCTGGGAACT
4386	Table 3A	Hs 238514	AA613460	2464498	xy52e08 x1 cDNA, 3' end	1	GCTGAAGTGGCAATAGAGAGAGTCT
4387	Table 3A	NA	AA665359	2880102	/clone=IMAGE:2856806 /clone_end=3' nt89f05.s1 NCI_CGAP_Pr12 cDNA	1	GCTAGAAAGACGGAAGTCACCATCT TCTACTGACTATCCTAGAAATCGCTG
4307	Table 3A	INA	AA000000	2000102	clone IMAGE:1205697 similar to	•	TCGCCTTAATCCAAGCCTACGTTT
					SW:ATP6_HUMAN P00846 ATP		
4000	atha ana tao tao a	U- 00507	AB04445	2042600	SYNTHASE A CH mRNA for KIAA0543 protein, partial	1	GTGTGTGCTTAGCCAAATACAGTAAC
4388	db mining	Hs.98507	AB011115	3043609	cds /cds=(0,3336)	'	TGTGACTGGCCCAGGGATGTTCTC
4389	db mining	Hs.129268	AB037809	7243156	mRNA for KIAA1388 protein, partial	1	GTGAGTCCAATGTATGCTTTAGAAGT
	7.11.04	11- 000047	4.0000000	44047704	cds /cds=(572,2371)	1	AAAGACATTGACCGTCACAGACCA CTCAAGAAAAGACAGAAGAGACAGTG
4390	Table 3A	HS.296317	AB058692	14017794	mRNA for KIAA1789 protein, partial cds /cds=(3466,4899)	'	ATTTGGGATGAGTCTACTCTAGGA
4391	Table 3A	Hs.195175	AF005775	2286146	mRNA for CASH alpha protein	1	ACCCTATGCCCATTGTCCTGATCTGA
		11: 00407	A F 0 0 0 0 4 0	0550000	/cds=(481,1923)	1	AAATTCTTGGAAATTGTTCCATGT TTCACAGTCTTCTATTGTTGGACCAC
4392	db mining	Hs 62187	AF022913	2008890	GPI transamidase mRNA, complete cds /cds=(17,1204)	'	TTACATTGTACCAAATGTTTTCCT
4393	db mining	Hs.248077	AF044592	2852420	lymphocyte-predominant Hodgkin's	1	ATTAAGCCCCGTAGCCCATCCCGCA
					disease case #4 immunoglobulin heavy		AGTTAGATACAGCTATGGTTAAGG
4394	db mining	Hs.248078	AF044595	2852426	chain gene, variable region lymphocyte-predominant Hodgkin's	1	TTATATTGTAGTGGTGGTATTTGCTTT
					disease case #7 immunoglobulin heavy		CCGCCTGTTGGCTACTTCGACCC
					chain gene, variable region		TTGTTCTCTGTCATGCCCACAATCCC
4395	Table 3A	Hs.25812	AF058696	3098674	Nijmegen breakage syndrome 1 (nibrin) (NBS1), mRNA /cds=(52,2316)	1	TTTCTAAGGAAGACTGCCCTACTA
4396	db mining	Hs 300865	AF063725	3142513		1	ACTGAGGACGAGGCTGACTACTACT
					lambda light chain variable region		GTCAGTCTTATGATAGCACCTATCA
4397	db mining	Hs 249208	AF063764	3135618	mRNA, partial cds /cds=(0,116) clone LBLG9 immunoglobulin lambda	1	AGATGGAGGATGAAGCTGACTACTAC
4001	ab mining	110.240200	, 000101	0.000.0	light chain variable region gene, partial	•	TGTTACTCAACAGACAGCAGTGGT
			.=		cds /cds=(0,289)		CATGTCAATGTGTCTGTTGTCATGGC
4398	db mining	Hs.293441	AF067420	3201899	SNC73 protein (SNC73) mRNA, complete cds /cds=(395,1549)	1	GGAGGTGGACGGCACCTGCTACTG
4399	db mining	Hs.293441	AF067420	3201899		1	GTCAATGTGTCTGTTGTCATGGCGGA
			4 5070705	0005500	complete cds /cds=(395,1549)	4	GGTGGACGGCACCTGCTACTGAGC TCCAACCTCCAGTTTGAGGATGAGGC
4400	db mining	HS.24//21	AF073705	3335589	clone mcg53-54 immunoglobulin lambda light chain variable region 4a	1	TGATTATTACTGTGAGACCTGGGA
					mRNA, partial cds /cds=(0,324)		
4401	Table 3A	Hs.22380	AF086431	3483776	AL557896 cDNA /clone=CS0DJ003YD10-(5-prime)	1	GACTACAACTGGCAATCCCAACTCCT GGGCTAGGGCTTTTTCTACCTTTT
4402	db mining	Hs.283882	AF103295	4838126	clone N97 immunoglobulin heavy chain	1	TATTTCTGTGCGAGAGTTCCCCCTAA
	········· y				variable region mRNA, partial cds		ACATGGCGGAGGCTTCTTCTACAA
4403	Table 3A	Hs 167827	AF116909	1768835	/cds=(0,377) clone HH419 unknown mRNA	1	TGGCTAGGAGACCTTGGGCAGTACC
4400	Table 3A	113 10/02/	AI 110000	4700000	/cds=(189,593)	·	TACAGTCTTGCTGTTTCTGTTTCAT
4404	db mining	Hs.149235	AF119843	7770122	PRO1085 mRNA, complete cds	1	GTGAGCTGAACAAATACATCATTTAA ATCTATGCTGCACTTTGAGTTGCT
4405	db mining	Hs.193053	AF121255	6468774	/cds=(539,1582) protein translation initiation factor 2C2	1	CCCGTGTGTTTACAGCATTTCCAGGT
					(EIF2C2) mRNA, partial cds		CCAGAGAGGTTGGCAGACAAGTGC
4406	db mining	Hs 247909	AF127125	4337068	isolate 459 ımmunoglobulin lambda light chain variable region (IGL) gene,	1	AGCTGTGGGATATAAGTAGTGGTCAT TATGTCTTCGGAGGTGGCACCACT
					partial cds /cds=(0,265)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
4407	db mining	Hs 204588	AF150138	5133574	AF150138 cDNA /clone=CBCBOG02	1	GCCCTTTGAGAAAGACTTTGTTCCTG
4408	db mining	Hs 205158	AF150141	5133577	AF150141 cDNA /clone=CBCBQD03	1	AACTGCTCCCTTCTCTTTTAGGGT GGTCTGGTTCTAGATCAGCCTTTTCA
7700	an mining	113.200100	, 11 100171				GTCTGCCCTGGCCTGGTCATTAAT
4409	db mining	Hs.205438	AF150373	5133809	AF150373 cDNA /clone=CBMACE02	1	GAAAAACCTGGCTAGAGCAGAGCAC AGGATGTAAAAGGGTGGGGGAGAAC
							AUGATOTAVAGOGTOGGGGAGAG

4410	db mining	Hs 283929	AF161340	6841093	HSPC077 mRNA, partial cds	1	GGTTATCTGAGCATAACAGGGACAG GGTGGGCCACAGGATACCTCTGAGG
4411	db mining	Hs.283931	AF161351	6841115	/cds=(0,396) HSPC088 mRNA, partial cds	1	ACAAGCAGGAGCACATCGCTCTTTA
4440		11- 2000E7	AE464260	6041122	/cds=(0,305) 602288541T1 cDNA, 3' end	1	TGAAAGCCCTTCAACATTTAACGT CAGGGACACCACTTATCCTGCTTCCA
4412	db mining	Hs 326257	AF 10 1300		/clone=IMAGE:4374059 /clone_end=3'		CTATAGCATGAATCAGTGCTCTCT
4413	db mining	Hs 283934	AF161365	6841143	HSPC102 mRNA, partial cds /cds=(0,285)	1	CATCGCACACGAATTTGAATCATCTG CTCTTTGGAATCGCCTACACCCTG
4414	db mining	Hs.283935	AF161370	6841153	HSPC107 mRNA, partial cds	1	TGTATGTAGGTGTCTGAGCTTCACAA
4415	db mining	Hs.283924	AF168811	5833844	/cds=(0,473) clone case06H1 immunoglobulin heavy	1	GCCTTTTATAGTCCATTCAGCACT CGACGACAACGGTGTATATTATTGTG
					chain variable region gene, partial cds		CGAAAGATCGGGCAGATTTGACTT
4416	db mining	Hs.177461	AF174394	5802906	/cds=(0,322) apoptotic-related protein PCAR mRNA,	1	CGGTGAGACTCAGTGAAAGCCATCA
4417	Table 3A	Hs.160422	AE218032	10441993	partial cds /cds=(0,439) clone PP902 unknown mRNA	1	GCAAAACTACAGTAATGCGGCACTA AAGTTAAACAAGACTCTGAAAGCCCT
4411	Table 3A				/cds=(693,1706)		AAATCAACTAGTCCGTCGGCTGCA
4418	db mining	Hs.169992	AF308298	12060846	serologically defined breast cancer antigen NY-BR-84 mRNA, partial cds	1	CTTGAGTGGTCCTCTTCTGCCTGCTG CTCATTTGTCTTGGGCAACCATTT
		11. 170500		******	/cds=(0,721)		CCCAGGAATATACAGTACTTCTGTAG
4419	db mining	Hs.170580	Al475577	4328622	tc92e07 y1 cDNA, 5' end /clone=IMAGE:2073636 /clone_end=5'	1	TGTCCAGCCATTACTTAGCAAGGG
4420	Table 3A	Hs 145668	Al793342	5341058	fmfc5 cDNA /clone=CR6-21	1	TGCTCTGTCTGCTGGTTTGCATTGTT TCTGTCTGAGTTAAGAGACTGGCA
4421	Table 3A	Hs.194382	Al904071	6494458	ataxia telangiectasia (ATM) gene,	1	TTCTTTTCTCCGTTAGCCACGCAGCT
4422	db mining	Hs.333140	AJ225092	3090425	complete cds /cds=(795,9965) mRNA for single-chain antibody,	1	ACCTACTCCCGCTTCCGGTTCAAA AAAACTCATCTCAGAAGAGGATCTGA
					complete cds (scFv2) /cds=(0,806)	4	ATGGGGCCGCACATCACCATCATC GATGAACAGTCTGAGAGGCGAGGAC
4423	db mining	Hs.272356	AJ2/53/1	7573002	partial IGVH3 gene for immunoglobulin heavy chain V region, case 1, clone 16	1	ACGCCTTGTTTAACTGTGCGAGTC
4424	db mining	Hs.272357	Δ 1275374	7573008	/cds=(0,236) >partial IGVH3 gene for	1	TACTACTTGCCAGGTCCAAGAACGGG
4424	•				immunoglobulin heavy chain V region,		GCGGGTCCTGTTATCATTATTACA
4425	db mining	Hs.272358	AJ275383	7573027	partial IGVH3 gene for immunoglobulin heavy chain V region, case 1,	1	GCTGTGTTTTTCTGTGGGTGAAATAA AGGTTTCGGAGCCCGTTTTAGATA
4426	db mining	Hs.272359	AJ275397	7573056	partial IGVH1 gene for immunoglobulin	1	CATTTCTGTGCGAGAGTGAAGAGGG GACCCTAGAGGATTTCGTTGTGGGA
4427	db mining	Hs.272360	AJ275399	7573060	heavy chain V region, partial IGVL2 gene for immunoglobulin	1	GGACTCCAGGCTGAGGACGAGGCTG
4428	db mining	Hs 272361	AJ275401	7573064	lambda light chain V region partial IGVH3 gene for immunoglobulin	1	ATTATTAGTGATGCTCATAAACAAG CTCTTATTGTGCGAGAGACCTCCCGG
					heavy chain V region		AACTGCCACTGAAGGTGGAGGCTA
4429	db mining	Hs.272362	AJ275405	7573073	partial IGVL1 gene for immunoglobulin lambda light chain V region	1	CTCCCTGACTATCTCGGGCCTCTAGC CTGAGGACGAGGCTGATTATTATT
4430	db mining	Hs.272364	AJ275413	7573089	partial IGVH3 DP29 gene for immunoglobulin heavy chain V region,	1	AAGAACTCACTGTATCTGCAAATGAA CAGCCTGAAAACCGAGGACACGGC
					case 1, cell Mo VII 116 /cds=(0,257)		
4431	db mining	Hs.272365	AJ275453	7573172	partial IGVH4 gene for immunoglobulin heavy chain V region	1	CACGGCTGTGTTTAACTCTGCGACAT GCGGGGGACTATGGTTCGGGGGAA
4432	db mining	Hs.50102	AK002096	7023770	mRNA for rapa-2 (rapa gene)	1	TCAGGGTGATTGAAGGACACATATTG AAGTACCTAGAATGCCAGAAAGTG
4433	db mining	Hs.270247	AK022039	10433357	/cds=(836,3742) cDNA FLJ11977 fis, clone	1	AACAAAACTGTGATTTATATCAAATAA
4434	db mining	Hs.156110	ΔK024974	10437403	HEMBB1001254 /cds=UNKNOWN cDNA: FLJ21321 fis, clone COL02335,	1	CAATGGCTTGGAGGGGGTATGGA TTTTCCACAGGGGACCTACCCCTATT
4404	ab mining	113,130110	A1024374	10407400	highly similar to HSA010442 mRNA for	•	GCGGTCCTCCAGCTCATCTTTCAC
					immunoglobulin kappa light chain /cds=UNKNOWN		
4435	db mining	Hs 156110	AK024974	10437403	cDNA: FLJ21321 fis, clone COL02335, highly similar to HSA010442 mRNA for	1	TTTTCCACAGGGGACCTACCCCTATT GCGGTCCTCCAGCTCATCTTTCAC
					immunoglobulin kappa light chain		GUGGTUCTUCAGUTUATUTTUAG
4436	db mining	Hs.156110	AK024974	10437403	/cds=UNKNOWN cDNA: FLJ21321 fis, clone COL02335,	1	TTTTCCACAGGGGACCTACCCCTATT
			,		highly similar to HSA010442 mRNA for		GCGGTCCTCCAGCTCATCTTTCAC
					immunoglobulin kappa light chain /cds=UNKNOWN		
4437	db mining	Hs.323884	AK025398	10437905	cDNA FLJ21745 fis, clone COLF5038 /cds=UNKNOWN	1	TGTGGCTGTACTTAACCTTCTCCAAC ATACATCCTGCATTACATGAATGG
4438	db mining	Hs.1501	AK025488	10438019	heparan sulfate proteoglycan (HSPG)	1	AAGCCTTTGAAGTGCCTCTGATTCTA
4439	db mining	Hs.287697	AK026199	10438971	core protein, 3' end /cds=(0,1193) cDNA: FLJ22546 fis, clone HSI00290	1	TGTAACTTGTTGCAGACTGGTGTT GCATTGACCTGGAAGGAGAGAGAT
	•				/cds=UNKNOWN		AGAGAGTGGAGGCTCTGAAGGAGAC
4440	db mining	Hs.287728	AK026793	10439729		1	CAGTACAGGGCTGGCAAGCAGTGAT
4441	db mining	Hs.104696	AK026832	10439779	/cds=UNKNOWN mRNA for KIAA1324 protein, partial	1	CTCTCAGGTATATTTATCAATAATT CAAACCCTCCTTTCTGCTTGCCTCAA
	J				cds /cds=(0,1743)		ACCTGCCAAATATACCCACACTTT

Table 8

4442	db mining	Hs 24684	AK026917		mRNA for KIAA1376 protein, partial cds /cds=(143,1456)	1	GGTGCTGAATATGTCCTTGTAGGCTC TGTTTTAAGAAAACAATATGTGGG
4443	db mining	Hs.152925	AK027260	10440394	mRNA for KIAA1268 protein, partial cds /cds=(0,3071)	1	AGTGATTTGATTAACTCAGGGCAAGG CTGAATATCAGAGTGTATCGCACT
4444	Table 3A	Hs 301763	AL049935	4884177	mRNA, cDNA DKFZp564O1116 (from clone DKFZp564O1116)	1	GCTTCCACTGGAGGCTTGTATTGACC TTGTAACTATATGTTAATCTCGTG
4445	db mining	Hs.18368	AL080186	5262664	mRNA, cDNA DKFZp564B0769 (from clone DKFZp564B0769); partial cds /cds=(0,900)	1	ATGCATGTTTACCAAAATGGCTGTTT ACAGTGCATTCAGTTCTGATATTT
4446	Table 3A	Hs 326292	AL134898		DNA sequence from clone RP5- 1167H4 on chromosome 20 Contains ESTs, STSs, GSSs and CpG islands Contains a novel gene, the STK15 gene for serine/threonine kinase 15, the	1	ACATGACAGGTGTAATTAGTCTGCTG AGCCAGCTTTACCCAATGAAGGGC
					CSTF1 gene for cleavage stimulation factor subunit 1 (50 kDa), a novel gene similar to NEDD9 for neural precursor cell expressed developmentally down-regulated protein 9 (enhancer of filamentation 1, HEF1) (CRK-associated substrate-related protein,		
4447	Table 3A	Hs.260024	AL136842	6807668	CAS-L) and a 60S ribosomal protein mRNA; cDNA DKFZp434A0530 (from clone DKFZp434A0530); complete cds	1	AACAGCAACCAATAACGGATTGTAAA GTGTAAAGGCACAGGTTACTCATG
4448	db mining	Hs.296356	AL137406	6807955	/cds=(968,1732) mRNA; cDNA DKFZp434M162 (from clone DKFZp434M162)	1	CCATGCCAAGGAATGGAATTTCCATC CTGAGCCAGTTCAGTT
4449	db mining	Hs.56265	AL137736	6808315	mRNA; cDNA DKFZp586P2321 (from clone DKFZp586P2321)	1	CTAGAGTTCATCTCTGAGCTGTAAGG GTGACCAGGGGGCAGGGGGACGAT
4450	Table 3A	Hs 66151	AL157438	7018513	mRNA; cDNA DKFZp434A115 (from clone DKFZp434A115)	1	CAAGTAGACACCAGAGTCACTGTTTG GTTGGTGGGTGATAGTGGGGTCAC
4451	Table 3A	Hs.106875	AL355722	7799110	EST from clone 35214, full insert /cds=UNKNOWN	1	TGTCACCCTTCCATGACGCCTCCTCT GTGCATTTGAGTTCACTGTTTATG
4452	db mining	Hs.283849	AL359560	8655615	mRNA; cDNA DKFZp762F0616 (from clone DKFZp762F0616)	1	GGTAACATGAGCTATGGCAGTCGGTT GTGAAACCACAGGAAGTGTATGGG
4453	Table 3A	Hs.23964	AL360135	8919158	(SAP18), mRNA /cds=(573,1034)	1	CAAATCGGGCACCACCTCCTTCAGG GCGCATGAGACCATATTAAATTCTA
4454	Table 3A	Hs.10927	AL365373		HSZ78330 cDNA /clone=2.49-(CEPH)	1	CAGAACTGCTTTCCTATGTTTACCCA GGGGACCTCCTTTCAGATGAACTG
4455	db mining	Hs.171118	AL583913	13093778	DNA sequence from clone RP11- 165F24 on chromosome 9. Contains the 3' end of the gene for a novel protein (similar to Drosophila CG6630 and CG11376, KIAA1058, rat TRG), an RPL12 (60S ribosomal protein L12) pseudogene, ESTs, STSs, GSSs and a	1	AGCAATAATATCTCTGTTTTCATTTCA GAACATTGTGCTGTCTGTCAGCA
4456	Table 3A	Hs.11806	AU124763	10949479	CpG island /cds=(0,4617) 7-dehydrocholesterol reductase	1	TTACAACTACATGATGGGCATCGAGT
4457	db mining	Hs 205435	AV740518	10858099		1	TTAACCCTTGGATCGGGAAGTGGG AATGTTTGAGCTGACCAAGCTTCTGA GATTCTTAACAGAAAAAGCCATGT
4458	db mining	Hs.204751	AV741208	10858789	/clone=CBDAGC01 /clone_end=5' AF150335 cDNA /clone=CBLAQF05	1	ACGTCAGCTTAAAACTGGAAAGAAGT CTTCTGGTGTATACTGAGATTTGA
4459	db mining	Hs.204932	AV743878	10861459	AV743878 cDNA, 5' end /clone=CBLAQC04 /clone_end=5'	1	GCCCAAAGGAGTAGCTCTCTGTTGTT ACTGTTGTGCTCTTCATGGATAAA
4460	db mining	Hs.205159	AV744351	10861932	AF150295 cDNA /clone=CBLADB01	1	GCAAAAAGCCCAAGAGCCTGAATTTA GACCAATCTATCATCTTCCTCCTC
4461	db mining	Hs.205789	AV756240	10914088	AV756240 cDNA, 5' end /clone=BMFAUH12 /clone_end=5'	1	TGGAGATGTGATAACAACTCCTTATC TCTTTGTTGGCTCATCTGAAGTGT
4462	db mining	Hs.254948			UI-H-BI2-agi-h-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2724714	1	CTTGCAGTAAAATGTAGCCCTTCCTC CTGGTTGTGCAGGAGTGGCCCTCG
4463	_		AW327360		dq02e11.x1 cDNA, 5' end /clone=IMAGE:2846685 /clone_end=5'	1	TTTCTTTAGCCCAAGAGTGGAGGCTA AGCTACTTACTTCCAAGCCTGGGT
4464			AW362304		CM3-CT0275-031199-031-a08 cDNA	1	AGGCAAAGGGAACTTGAAATTAGAAA ACCCCAGAAACAGTCACAATGGCT AGGGTCCCTTCCATAGTCCTCCTGCA
4465			AW389509		xm47a06.x1 cDNA, 3' end /clone=IMAGE:2687314 /clone_end=3' CM4-ST0182-051099-021-b06 cDNA	1	TCATTTTCCTCCAACTTGAATAAA GCCAACCAGTTCAGAGTGTTCCCAAG
4466			AW390251	6894910 7932801		1	GAATTGCCACCCTTACTCTTCAAA ATCCCAGTCTCAAATTTCTTCATTTGG
4467 4468			AW838827 AW945538	8123293		1	AACTGATATGTAGGCCCTCATCG TCTCTCACTGTTATCATTTTTGCACAG
4469		Hs 83724	BC000957	13111830	/clone=ADBCMB06 /clone_end=5'	1	GTGGTTTCAGCAGCTTGATGCCA ATTGTCATTTAGACTTTGAACAGCTCT
	***				mRNA, partial cds /cds=(0,901)		GGGAAATAGAAGACTAGGGTTGT

Table 8

4470	db mining	Hs 267690	BC001224		mRNA for KIAA1228 protein, partial cds /cds=(0,2176)	1	TTTCCTTGTTCCCTCCCATGCCTAGC TGGATTGCAGAGTTAAGTTTATGA
4471	dh minina	Hs 76932	BC002332		Homo sapiens, Similar to hypothetical	1	GGATTCACCGTGGCCGACTCTTTTCC
4471	db mining	115 7 0 5 0 2	DC002332	12000002	protein FLJ20419, clone MGC:15417	•	CTGCTTTGGTTTGTTTGAAATCTA
					IMAGE:3942735, mRNA, complete cds		
					/cds=(208,918)		
4472	Table 3A	Hs.343272	BC002770	12803854	Homo sapiens, clone IMAGE 3616574,	1	CCCTCCACACCATCCTCCCCGATTTA
7716	14515 671				mRNA, partial cds /cds=(0,640)		AATATAGTCACTGCTACAAGTAAC
4473	db mining	Hs.81221	BC002792	12803890	Homo sapiens, clone MGC 3963	1	TTCATCATTGCTTGCTTGCCTTCCTC
	g				IMAGE:3621362, mRNA, complete cds		CCTTCTGTCCGCTCTTACTCCCTC
					/cds=(40,402)		
4474	db mining	Hs.302063	BC002963		rearranged immunoglobulin mRNA for	1	GCAAACTAACCGTGTCAACGGGGTG
	•				mu heavy chain enhancer and constant		AGATGTTGCATCTTATAAAATTAGA
					region /cds=UNKNOWN		
4475	db mining	Hs.302063	BC002963	12804210	rearranged immunoglobulin mRNA for	1	GCAAACTAACCGTGTCAACGGGGTG
					mu heavy chain enhancer and constant		AGATGTTGCATCTTATAAAATTAGA
					region /cds=UNKNOWN	_	0011107110007070110000070
4476	db mining	Hs 302063	BC002963	12804210	rearranged immunoglobulin mRNA for	1	GCAAACTAACCGTGTCAACGGGGTG
					mu heavy chain enhancer and constant		AGATGTTGCATCTTATAAAATTAGA
				10007000	region /cds=UNKNOWN	4	AGTATCTGCTTTCCAGGCTGAAGTGA
4477	Table 3A	Hs.334787	BC003063	13937660	Homo sapiens, clone MGC:19556	1	TTCATTCATTATTCTAGTCCTGCT
					IMAGE:4304831, mRNA, complete cds		TICATICATIATICIAGIOCIGOT
4.4770	Table 04	11- 004570	PCOCCOC	12027710	/cds=(1505,1666) Homo sapiens, clone IMAGE:4285740,	1	AAGCTGTCTTCTTTGTTGGACAATCA
4478	Table 3A	Hs.334573	BC006008	1393//10	mRNA /cds=UNKNOWN	'	GCCAGAATGATAAGCAAACCTGCA
4470	ممنمت مالم	Un 200607	BC006402	12622574	mRNA for immunoglobulin lambda	1	CTCTCGCGGTCGCACGAGGATGCTT
4479	db mining	Hs.300697	BC000402	13023374	heavy chain /cds=(65,1498)	•	GGCACGTACCCCCTGTACATACTTC
4480	db mining	Hs.300697	BC006402	13623574	mRNA for immunoglobulin lambda	1	CTCTCGCGGTCGCACGAGGATGCTT
4400	go mining	113.000001	B0000402	1002007	heavy chain /cds=(65,1498)		GGCACGTACCCCCTGTACATACTTC
4481	db mining	Hs.300697	BC006402	13623574	mRNA for immunoglobulin lambda	1	CTCTCGCGGTCGCACGAGGATGCTT
7.101	aog				heavy chain /cds=(65,1498)		GGCACGTACCCCCTGTACATACTTC
4482	Table 3A	Hs.155101	BC007299	13938338	mRNA for KIAA1578 protein, partial	1	CTCCTGTGGATTCACATCAAATACCA
					cds /cds=(0,3608)		GTTCAGTTTTGTCATTGTTCTAGT
4483	db mining	Hs.184776	BC007583	14043190	ribosomal protein L23a (RPL23A),	1	GGCTCCTGATTACGATGCTTTGGATG
	•				mRNA /cds=(23,493)		TTGCCAACAAAATTGGGATCATCT
4484	db mining	Hs.250528	BC007747	14043522	Homo sapiens, clone IMAGE:4098694,	1	AACGCCAGCATTTTGTTAGAGGAGTT
					mRNA, partial cds /cds=(0,2501)		AGACTTGGAAAAGTTAAGGGAAGA
4485	Table 3A	Hs.44155	BC008629	14250392	mRNA; cDNA DKFZp586G1517 (from	1	ATGGGGACTAAGGGATTAAGAGTGT
					clone DKFZp586G1517); partial cds		GAACTAAAAGGTAACATTTTCCACT
					/cds=(0,2755)		ACTGGCGAGTATGTTCTATGTTGGGC
4486	Table 3A	Hs.164280	BC008737	14250566	Homo sapiens, Similar to solute carrier	1	CTCCTGCTGCAAAACAATAAACAG
					family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5,		CICCIGOTOCATATOCATATATATA
					clone MGC 3042 IMAGE:3342722,		
					mRNA, complete cds /cds=(88,984)		
4487	Table 3A	Hs.336425	BC009111	14318625	Homo sapiens, clone MGC:17296	1	GCTGATTAACTGTATTCCCCTTTCCC
4701	Table on	113.000-120	BOOOTII	14010020	IMAGE:3460701, mRNA, complete cds	•	CTATGGCTGCTGGTGTAAATAAAC
					/cds=(3250,3498)		
4488	db mining	Hs.287797	BC009469	14495714	mRNA for FLJ00043 protein, partial	1	CCCAGGGTTTCATGTCTGAGGCCCTC
	· · · · · · · · · · · · · · · · ·				cds /cds=(0,4248)		ACCAAGTGTGAGTGACAGTATAAA
4489	literature	Hs.287797	BC009469	14495714	mRNA for FLJ00043 protein, partial	1	CCCAGGGTTTCATGTCTGAGGCCCTC
					cds /cds=(0,4248)		ACCAAGTGTGAGTGACAGTATAAA
4490	db mining	Hs 293842	BG506472	13467989	601571679F1 cDNA, 5' end	1	ACAAGAAATGGTTGAGGCGAATATTG
					/clone=IMAGE:3838675 /clone_end=5'		GAAACACATGGGCTTAATGCTGAA
4491	db mining	Hs.224344	BG623174	13674545	602648078F1 cDNA, 5' end	1	ACACCTCTCTATTTTGAAGTCCCTAT GTGCCCTGTAATGTCTCGTTTTAA
4400	atha analisa ana	U- 407400	DI004076	14500406	/clone=IMAGE:4769802 /clone_end=5'	1	GGGAGAGCTCATGTCAGTGAATATAG
4492	db mining	Hs.127128	BI091076	14509406	ok13e12.s1 cDNA, 3' end /clone=IMAGE:1507726 /clone_end=3'	'	ATCATTCTGTTGATACCCTTCTTT
4402	dh minina	Hs.330212	D20259	501356	HUMGS01233 cDNA, 3' end	1	TTGAAACTTGTAACTGAGATGCTGTA
4493	db mining	115.550212	D20239	30 1000	/clone=pm1527 /clone_end=3'	•	GTTTTTTGCCATCTGTAGTGATGT
4494	db mining	Hs.330467	D20413	501509	HUMGS01387 cDNA, 3' end	1	AAAGGGTTTTATCCACTGTCATTTCAA
7707	ab mining	110.000-101	520110	001000	/clone=pm1535 /clone_end=3'		TTGGATAACATTTTGTCAAGTTT
4495	db mining	Hs.330223	D20542	501638	HUMGS01517 cDNA, 3' end	1	TCGGAAAGAAGAGTGGGAGGATGT
					/clone=pm1520 /clone_end=3'		GAATTTTAGTTCTGAGTTTACCAAA
4496	db mining	Hs.330255	D20847	504667	HUMGS01828 cDNA, 3' end	1	GATCGGGAACTGGCTCCGTTGTGCT
	-				/clone=mp1214 /clone_end=3'		GAGGTCATCTTTGGTCATCAGCCTC
4497	db mining	Hs.141296	D86979	6634000	mRNA for KIAA0226 protein, partial	1	TGGTGCTTGTGCAGCCTGGCAGTTCA
					cds /cds=(0,3033)		TTGTCATCTTTAATAAACTAAGGA
4498	db mining	Hs.303450	H13491	878311	yj15f02.r1 cDNA, 5' end	1	AGAAGTACAAGATTTCGTTCTTCCTT
				, an	/clone=IMAGE:148827 /clone_end=5'		CCATTAAAGTACAATCTCCCTGGG TACAAGTGAAAGCTAAGATGAACACA
					601819705F1 cDNA, 5' end	1	IALAAGI GAAAGU TAAGA TGAACACA
4499	db mining	Hs 138563	H65914	1024654		-	
	-				/clone=IMAGE:4051657 /clone_end=5'		TTTAAGTTAAATGGCAGCCTTGTT
4499 4500	db mining db mining	Hs 138563 Hs.73858	J05158			1	

Table 8

4501	db mining	Hs 69771	K01566	187721	B-factor, properdin	1	GGGTTTTCTATAAGGGGTTTCCTGCT
							GAACAGGGGCGTGGGATTGAATTA
4502	literature	Hs 278625	K02403	187768	complement component 4B (C4B), mRNA /cds=(51,5285)	1	CCTGGGACCAGGGCATATTAAAGGC TTTTGGCAGCAAAGTGTCAGTGTTG
4503	db mining	Hs 132807	L29376	561725	(clone 3 8-1) MHC class I mRNA	1	TTTGTGGCTTGGGGCTGCCTACTATA
					fragment /cds=UNKNOWN		AACTATTGGGGGTTCGTCCATTTT
4504	db mining	Hs.274509	M16768	339399	T-cell receptor aberrantly rearranged	1	TTTACACGCCCTGAAGCAGTCTTCTT
7007	ab mining	110.27 1000	11110700	000000	gamma-chain mRNA from cell line HPB-		TGCTAGTTGAATTATGTGGTGTGT
					•		1001/10/10/10/10/10/10/10/10/10/
					MLT /cds=UNKNOWN		
4505	db mining	Hs.247956	M22005	186300	interleukin 2 gene, clone pATtaclL-	1	AATTCCTGAACCGTTGGATCACCTTC
					2C/2TT, complete cds, clone pATtaciL-		TGTCAGTCCATCATCTCCACCCTG
					2C/2TT /cds=(0,404)		
4506	db mining	Hs 247923	M31949	185254	Ig rearranged mu-chain V-region gene,	1	CTTACGTTGGGACACCTAAATTCGCC
4500	OD HIRISHY	115 247 525	1410 1343	1002,04	subgroup VH-III, exon 1 and 2	•	GCGTCTGTAGAAGGCAGATTCGAG
					• •		
4507	db mining	Hs.247930	M55420	185346	IgE chain, last 2 exons	1	AAAACCGTGTCTGTCCCTTCAACAGA
							GTCATCGAGGAGGGGTGGCTGCTA
4508	literature	NA	M73276	177970	Human angiotensin I-converting	1	AAACTGCCGGGTCCCCATCTTCAAAA
	e				enzyme (ACE) gene, 5' flank		GAGAGGAGGCCCTTTCTCCAGCTT
4509	Table 3A	Hs.154365	M82882	180551	cis-acting sequence /cds=UNKNOWN	1	CAAGAAAGCAACTTGAGCCTTGGGCT
4000	Table on	113.104000	WIOZOOZ	100001	ole doding ocquerios rode or transfer	•	AATCTGGCTGAGTAGTCAGTTATA
4540	T-1-1- 04	11- 474000	N04770	4450477	and Todoo at a DNA Floor	1	TGTGTTCTTTGAGTTCCCCCTTTACC
4510	Table 3A	Hs.171699	N31778	1152177	yx70d02.r1 cDNA, 5' end	1	
					/clone=IMAGE:267075 /clone_end=5'		CAAAAGTAATTTGGGGACCAAAGT
4511	db mining	Hs.269035	N39815	1163360	yx93c06.r1 cDNA, 5' end	1	GGGAAGGCAATCTGATGGGGAAGTT
					/clone=IMAGE:269290 /clone_end=5'		GGCAATTTCTGGTTTGGGTGATTTA
4512	db mining	Hs.169401	NM_000041	4557324	apolipoprotein E (APOE), mRNA	1	CCAGCCGTCCTCCTGGGGTGGACCC
		•	-		/cds=(60,1013)		TAGTTTAATAAAGATTCACCAAGTT
4512	litoroturo	Hs.38069	NM_000066	4557300	complement component 8, beta	1	CATGCAAGGCAAAAGGCAGTGCCA
4513	literature	HS.30009	14141_000000	4007090	·	'	
					polypeptide (C8B), mRNA		TGCAAGCTGTTTAAAATAAAGATGT
4514	literature	Hs.317585	NM_000088	14719826	cDNA: FLJ21026 fis, clone CAE06812	1	AGGGGTGGGAGGAAGCAAAAGACTC
					/cds=(27,677)		TGTACCTATTTTGTATGTGTATAAT
4515	db mining	Hs.1472	NM_000173	4504070	glycoprotein lb (platelet), alpha	1	TCAGGATGTGAGCACTCGTTGTGTCT
					polypeptide (GP1BA), mRNA		GGATGTTACAAATATGGGTGGTTT
4516	literature	Hs.180532	NM_000175	4504086	Homo sapiens, clone IMAGE:4098234,	1	TGTTCACGTTGTTCACATCCCATGTA
4510	illerature	115.100552	14141_000173	4504000	•	•	GAAAAACAAAGATGCCACGGAGGA
4545			NINA 000477	4504404	mRNA, partial cds /cds=(0,904)		
4517	db mining	Hs.290070	NM_000177	4504164	gelsolin (amyloidosis, Finnish type)	1	AGCCCTGCAAAAATTCAGAGTCCTTG
					(GSN), mRNA /cds=(14,2362)		CAAAATTGTCTAAAATGTCAGTGT
4518	literature	Hs.227730	NM_000210	1111111	integrin, alpha 6 (ITGA6), mRNA	1	TGTCATCTCAAGTCAAGTCACTGGTC
					/cds=(146,3367)		TGTTTGCATTTGATACATTTTTGT
4519	db mining	Hs.90598	NM_000247	4557750	MHC class I polypeptide-related	1	GAGTGACCACAGGGATGCCACACAG
			_		sequence A (MICA), mRNA		CTCGGATTTCAGCCTCTGATGTCAG
4520	db mining	Hs.1817	NM_000250	4557758	myeloperoxidase (MPO), nuclear gene	1	GCCTGTTGCCCTTTCTGTACCATTTA
4520	ub mining	118.1017	14141_000230	4557756		•	TTTGCTCCCAATGTTTATGATAAT
					encoding mitochondrial protein, mRNA		HIGGICCCAAIGITIAIGAIAAI
					/cds=(177,2414)		
4521	db mining	Hs.1817	NM_000250	4557758	myeloperoxidase (MPO), nuclear gene	1	GCCTGTTGCCCTTTCTGTACCATTTA
					encoding mitochondrial protein, mRNA		TTTGCTCCCAATGTTTATGATAAT
					/cds=(177,2414)		
4522	db mining	Hs.75093	NM_000302	4557836	procollagen-lysine, 2-oxoglutarate 5-	1	TCCTGGATGCCTCTGAAGAGAGGGA
					dioxygenase (lysine hydroxylase, Ehlers-		CAGACCGTCAGAAACTGGAGAGTTT
					Danlos syndrome type VI) (PLOD),		
					mRNA /cds=(200,2383)		
4523	db mining	Hs.10712	NM_000314	4506248	phosphatase and tensin homolog	1	ACTTAACCATATAAATGTGGAGGCTA
					(mutated in multiple advanced cancers		TCAACAAAGAATGGGCTTGAAACA
					1) (PTEN), mRNA /cds=(1034,2245)		
4524	Table 3A	Hs.83848	NM_000365	4507644	triosephosphate isomerase 1 (TPI1),	1	GTGCCTCTGTGCTGTGTATGTGAACC
			_		mRNA /cds=(34,783)		ACCCATGTGAGGGAATAAACCTAG
4525	Table 3A	Hs.78943	NM_000386	4557366		1	AAACAGACCTAATGCTCCTTGTTCCT
1020	Tubic of t	110.70010	14000000	1001000	/cds=(78,1445)	•	AGAGTAGAGTGGAGGGAGGGTGGC
4500	Ct. a.t	11- 005404	NIM COCCO	4550407	•	4	GAGATAGCCTTGCTCCGGCCCCCTT
4526	literature	Hs.285401	NM_000395	4559407		1	
					beta, low-affinity (granulocyte-		GACCTTCAGCAAATCACTTCTCTCC
					macrophage) (CSF2RB), mRNA		
4527	db mining	Hs.283743	NM_000407	9945387	glycoprotein lb beta mRNA, complete	1	CTGCTGCGTCTCCCTTCCAAACTCTG
					cds /cds=(636,1871)		GTGCTGAATAAACCCTTCTGATCT
4528	db mining	Hs.20019	NM_000410	4504376	hemochromatosis (HFE), mRNA	1	CACTTGGCTGCATAAATGTGGTACAA
	•		-		/cds=(221,1267)		CCATTCTGTCTTGAAGGGCAGGTG
4529	literature	Hs.8986	NM 000491	11038661	complement component 1, q	1	CAGCCAATGGACACAGTAGGGCTTG
4020	interature	113.0300	14141_000431	11000001		•	GTGAATGCTGCTGAGTGAATGAGTA
					subcomponent, beta polypeptide		GIGARIGOTGAGTGAATGAGTA
				44555	(C1QB), mRNA /cds=(63,824)		TOO A CA CO ATTO A CO COTT A ATTO TO A
4530	db mining	Hs.278430	NM_000500	14550408	•	1	TGCAGAGGATTGAGGCTTAATTCTGA
					(steroid 21-hydroxylase, congenital		GCTGGCCCTTTCCAGCCAATAAAT
					adrenal hyperplasia), polypeptide 2		
					(CYP21A2), mRNA /cds=(118,1605)		
4531	db mining	Hs.502	NM_000544	9961245	•	1	TTGACCTTCCACTAGACCATGAGCAC
7001	20 mmig	110.002	0000-4	0001240	sub-family B (MDR/TAP) (TAP2),	•	CTGGGCGGAAAGCCATATATCTTA
					• • • • • • • • • • • • • • • • • • • •		5,555556,0000mmmm
					transcript variant 1, mRNA		
	like on the con-	11- 00010	AIRA GOGGGG	455500			
4532	literature	Hs.93210	NM_000562	4557388		1	ACAAGCAGACACCTGAAACAATCAAC
4532	literature	Hs.93210	NM_000562	4557388	polypeptide (C8A), mRNA	1	GCCCAATAAAACAAAGTAGGATGA

4533	db mining	Hs.68876	NM_000564	10835130	interleukin 5 receptor, alpha (IL5RA),	1	TGAGGAAGAAGCATTTTGCATCAGC
4534	literature	Hs.241053	NM_000573	10834973	mRNA /cds=(249,1511) AL572804 cDNA	1	CTGGAGTGAACCATGAACTTGGAT GGAATAAGGTGTTGCCTGGAATTTCT
4505	Table 04	11- 00070	_	10025140	/clone=CS0DI034YD15-(3-prime)	1	GGTTTGTAAGGTGGTCACTGTTCT TGAACAGATGGATTACCTTTTGTCAA
4535	Table 3A	Hs 89679	NM_000586	10835148	interleukin 2 (IL2), mRNA /cds=(47,517)	,	AGCATCATCTCAACACTAACTTGA
4536	literature	Hs.78065	NM_000587	4557386	complement component 7 (C7), mRNA /cds=(0,2531)	1	CCCAGAGTTTTCAGGGAGTACACAG GTAGATTAGTTTGAAGCATTGACCT
4537	literature	Hs 960	NM_000590	10834979	interleukin 9 (IL9), mRNA	1	TTCCAGAAAGAAAGATGAGAGGGAT
4538	literature	Hs 1285	NM_000606	4557392	/cds=(11,445) complement component 8, gamma	1	GAGAGGCAAGATATGAAGATGAAA GGCTGCCCCAGAGGACAGTGGGTGG
4539	literature	Hs.167988	NM 000615	10834989	polypeptide (C8G), mRNA neural cell adhesion molecule 1	1	AGTGGTACCTACTTATTAAATGTCT CCGAGCAAAGATCAAAATAAAAAGTG
4559	illerature		-		(NCAM1), mRNA /cds=(201,2747)		ACACAGCAGCTTCACCAGAGCATT
4540	Table 3A	Hs 17483	NM_000616	10835166	chromosome 12p13 sequence /cds=(194,1570)	1	ATTACTTCAAGCCTAGCCCTTCTCTC ATTATTTCTCTCTGACCCTCTCCC
4541	db mining	Hs.100007	NM_000635	10835184	regulatory factor X, 2 (influences HLA class II expression) (RFX2), mRNA	1	GGGTCAGTGTTCAAGAAGGAAAGCA GTTGTTGAAGCTACAGAAGCCCAGG
					/cds=(159,2330)		
4542	db mining	Hs.25954	NM_000640	10834991	interleukin 13 receptor, alpha 2 (IL13RA2), mRNA /cds=(93,1235)	1	TGAAGACTTTCCATATCAAGAGACAT GGTATTGACTCAACAGTTTCCAGT
4543	db mining	Hs.1721	NM_000641	10834993	interleukin 11 (IL11), mRNA	1	GGACTGTCATTCAGGGAGGCTAAGG AGAGAGGCTTGCTTGGGATATAGAA
4544	db mining	Hs.78712	NM_000688	4502024	/cds=(63,662) aminolevulinate, delta-, synthase 1	1	TCACTTAACCCCAGGCCATTATCATA
					(ALAS1), nuclear gene encoding mitochondrial protein, mRNA		TCCAGATGGTCTTCAGAGTTGTCT
					/cds=(76,1998)		
4545	db mining	Hs.3003	NM_000733	4502670	CD3E antigen, epsilon polypeptide (TiT3 complex) (CD3E), mRNA	1	CCACTGGATGGTCATTTGGCATCTCC GTATATGTGCTCTGGCTCCTCAGC
4546	Table 3A	Hs.1349	NM_000758	4503076	colony stimulating factor 2 (granulocyte-	1	CTGGGCCACACTGACCCTGATACAG
4547	db mining	Hs.1349	NM_000758	4503076	macrophage) (CSF2), mRNA colony stimulating factor 2 (granulocyte-	1	GCATGGCAGAAGAATGGGAATATTT CTGGGCCACACTGACCCTGATACAG
4548	literature	Hs.86958	NM_000874	4504600	macrophage) (CSF2), mRNA interferon receptor ifnar2-1 (splice	1	GCATGGCAGAAGAATGGGAATATTT TGATAGCATTGGTCTTGACAAGCACC
4546	incrature	113.00950	14101_000074	4004000	variant IFNAR2-1) mRNA, complete cds	•	ATAGTGACACTGAAATGGATTGGT
4549	literature	Hs.88474	NM 000962	11386140	/cds=(326,1321) prostaglandin-endoperoxide synthase 1	1	CTGAGGATGTAGAGAGAACAGGTGG
			-		(prostaglandin G/H synthase and		GCTGTATTCACGCCATTGGTTGGAA
					cyclooxygenase) (PTGS1), mRNA /cds=(5,1804)		
4550	Table 3A	Hs.180450	NM_001026	14916502	ribosomal protein S24 (RPS24), transcript variant 1, mRNA	1	CTGGCAAAAAGCCGAAGGAGTAAAG GTGCTGCAATGATGTTAGCTGTGGC
4551	Table 3A	Hs.113029	NM_001028	14591916	ribosomal protein S25 (RPS25), mRNA	1	TGGTCCAAAGGCAAAGTTCGGGACA
4552	literature	Hs 161305	NM 001057	4507344	/cds=(63,440) tachykinin receptor 2 (TACR2), mRNA	1	AGCTCAATAACTTAGTCTTGTTTGA CAACAGGTGTCACACTAAGGAGACTT
4550			_		/cds=(0,1196)	1	TGTTCATGGCTGGGGACACAGCCC GCATGGAAATTCCCTTCATCTGGAAC
4553	literature	Hs 1080	NM_001058	7009044	tachykinin receptor 1 (TACR1), transcript variant long, mRNA	ı	CATCAGAAACACCCTCACACTGGG
4554	literature	Hs.942	NM_001059	7669547	tachykinin receptor 3 (TACR3), mRNA /cds=(143,1540)	1	GGCAGCTATGGTCAAATTGAGAAAGG TAGTGTATAAATGTGACAAAGACA
4555	db mining	Hs.86947	NM_001109	4557252	a disintegrin and metalloproteinase	1	GCTATCTTGTCTGGTTTTCTTGAGAC
4556	literature	Hs.1239	NM_001150	4502094	domain 8 (ADAM8), mRNA alanyl (membrane) aminopeptidase	1	CCGCCCTGTACCCTCTTTCACCTTTC
			_		(aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13,		CCTAAAGACCCTAAATCTGAGGAA
					p150) (ANPEP), mRNA		
4557	db mining	Hs.507	NM_001264	4502758	corneodesmosin (CDSN), mRNA /cds=(14,1603)	1	CATATGGGAGAAGGCCAGTGCCCAG GCATAGGGTTAGCTCAGTTTCCCTC
4558	Table 3A	Hs.74441	NM_001273	4557452	chromodomain helicase DNA binding	1	TTAATACCAGGAACCCAGCGGCTCTA
4559	db mining	Hs.5057	NM_001304	8051580	protein 4 (CHD4), mRNA carboxypeptidase D (CPD), mRNA	1	GCCACTGAGCGGCTAAATGAAATA GTGGAGGGGTTTACCACCTTCCTAG
4560	db mining	Hs 2246	NM_001308	4503010	/cds=(15,4148) carboxypeptidase N, polypeptide 1,	1	GTCGTTCAACCAGGTTTTGTGAGGA GCAACCCTTCAGAAAGGCTTTGCTCC
	J		_		50kD (CPN1), mRNA /cds=(213,1589)		TGCTCTCAGATCAGATCAAGCATT
4561	db mining	Hs.336916	NM_001350		death-associated protein 6 (DAXX), mRNA /cds=(147,2369)	1	AACATTTGGAGGAAGGTGGGAAGCA GATGACTGAGGAAGGGATGGACTAA
4562	Table 3A	Hs.288036	NM_001402	4503470	tRNA isopentenylpyrophosphate transferase (IPT), mRNA	1	TGCCCAGAAAGCTCAGAAGGCTAAAT GAATATTATCCCTAATACCTGCCA
4563	Table 3A	Hs 129673	NM_001416	4503528	eukaryotic translation initiation factor	1	AGAGGACTCTTCGAGACATTGAGACC TTCTACAACACCTCCATTGAGGAA
4564	Table 3A	Hs 99855	NM_001462	4503780	4A, isoform 1 (EIF4A1), mRNA formyl peptide receptor-like 1 (FPRL1),	1	TGGGGTAAGTGGAGTTGGGAAATAC
4565	literature	Hs.198252	NM_001504	4504098	mRNA /cds=(772,1827) G protein-coupled receptor 9 (GPR9),	1	AAGAAGAGAAAGACCAGTGGGGATT AAACTAAAACTTCATCTTCCCCAAGT
					mRNA /cds=(68,1174)	1	GCGGGGAGTACAAGGCATGGCGTA AAAACCTTCCCATAAAATGTAAGAAA
4566	db mining	Hs 113207	NM_001505	4504090	G protein-coupled receptor 30 (GPR30), mRNA /cds=(691,1818)	•	AGCTGATGAGGCTGGTGACGTTCA

Table 8

4567	db mining	Hs 278589	NM_001518	14670355	general transcription factor II, i (GTF2I), transcript variant 1, mRNA	1	TGACATGGTAGCAGAAATAGGCCCTT TTATGTGTTGCTTCTATTTTACCT
4568	db mining	Hs 101840	NM_001531	4504416	major histocompatibility complex, class I-like sequence (HLALS), mRNA	1	GCCACAAAATGTTCTTTGTTCTTTGG CTCCAAAAAGACTGTCAGCTTTCA
4569	db mining	Hs.81234	NM_001542	4504626	/cds=(5,1030) mRNA for KIAA0466 protein, partial cds /cds=(40,3684)	1	CTGAGGCTCTCCCTTTCTCTGTGATT GGACAGTTGACAGCACCCAAACTC
4570	db mining	Hs 22111	NM_001555	4504624	mRNA for KIAA0364 gene, complete cds /cds=(1144,5127)	1	CCCTGTAACTCCTCACTGTACTGATT TACTGGCGCATGAAATTCTATTAA
4571	Table 3A	Hs 285115	NM_001560	4504646	interleukin 13 receptor, alpha 1 (IL13RA1), mRNA /cds=(43,1326)	1	CTTGAGTAAAATAAATATTGTCTTTTT GTATGTCAAGCGGGCCGCCACCG
4572	literature	Hs 1211	NM_001611	6138970	acid phosphatase 5, tartrate resistant (ACP5), mRNA /cds=(89,1066)	1	GGGAGGGAGGGAAAGCTTCCT CCTAAATCAAGCATCTTTCTGTTAC
4573	literature	Hs.10247	NM_001627	4502028	mRNA for MEMD protein /cds=(0,1748)	1	TCACAGATGCATATAGACACACATAC ATAATGGTACTCCCAAACTGACAA
4574	db mining	Hs 268571	NM_001645	5174774	intergenic region between apoE and apoCl genes /cds=UNKNOWN	1	GCTGAGGACTCCCGCCATGTGGCCC CAGGTGCCACCAATAAAAATCCTAC
4575	db mining	Hs.69771	NM_001710	14550403	B-factor, properdin (BF), mRNA /cds=(129,2423)	1	CAAGATGAGGATTTGGGTTTTCTATA AGGGGTTTCCTGCTGGACAGGGGC
4576	literature	Hs 1281	NM_001735	4502506	complement component 5 (C5), mRNA /cds=(12,5042)	1	AAACATGGCCTTTGCTTGAAAGAAAA TACCAAGGAACAGGAAACTGATCA
4577	literature	Hs.171763	NM_001771	4502650	CD22 antigen (CD22), mRNA /cds=(56,2599)	1	GTTTGAGATGGACACACTGGTGTGGA TTAACCTGCCAGGGAGACAGAGCT
4578	literature	Hs.83731	NM_001772	4502654	CD33 antigen (gp67) (CD33), mRNA /cds=(12,1106)	1	GGACCAAAGGCTGATTCTTGGAGATT TAACTCCCCACAGGCAATGGGTTT
4579	Table 3A	Hs.340325	NM_001774	4502662	yf59e04.s1 cDNA, 3' end /clone=IMAGE:26202 /clone_end=3'	1	AATATTTGTTTAATCCCCAGTTCGCCT GGAGCCCTCCGCCTTCACATTCC
4580	literature	Hs 82685	NM_001777	4502672	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	1	AAAGTAACTGGTTGTCACCTATGAGA CCCTTACGTGATTGTTAGTTAAGT
4581	literature	Hs.264190	NM_001780	4502678	(CD47), mRNA /cds=(106,1077) cDNA: FLJ22121 fis, clone HEP18876, highly similar to AF191298 vacuolar sorting protein 35 (VPS35) mRNA	1	CTCAGCCTCCTCATCTGGGGGAGTG GAATAGTATCCTCCAGGTTTTTCAA
4582	literature	Hs.3107	NM 001784	4502690	/cds=UNKNOWN CD97 antigen (CD97), mRNA	1	GGCAGGAGGTTCTCACTGTTGTGAA
			_		/cds=(70,2298) cathepsin C (CTSC), mRNA	1	GGTTGTAGACGTTGTGTAATGTGTT AAGTGGGAATTTTCTGGAAGATGGTC
4583	Table 3A	Hs.10029	NM_001814		/cds=(33,1424)	1	AGCTATGAAGTAATAGAGTTTGCT GCCTGTGGCCCACCTGGGGTCACTT
4584	db mining	Hs.11	NM_001815	4502792	carcinoembryonic antigen-related cell adhesion molecule 3 (CEACAM3), mRNA /cds=(54,692)	į	GGAAAGGATCTGAATAAAGGGGACC
4585	db mining	Hs.119140	NM_001970	4503544	eukaryotic translation initiation factor 5A (EIF5A), mRNA /cds=(43,507)	1	AAATAACTGGCTCCCAGGGTGGCGG TGGTGGCAGCAGTGATCCTCTGAAC
4586	db mining	Hs.99863	NM_001972	4503548	, , , , , , , , , , , , , , , , , , , ,	1	TGCCCACACCCACACTCTCCAGCATC TGGCACAATAAACATTCTCTGTTT
4587	db mining	Hs.99863	NM_001972	4503548	elastase 2, neutrophil (ELA2), mRNA /cds=(38,841)	1	TGCCCACACCCACACTCTCCAGCATC TGGCACAATAAACATTCTCTGTTT
4588	literature	Hs.193122	NM_002000	4503672	Fc fragment of IgA, receptor for (FCAR), mRNA /cds=(39,902)	1	GCACCCACCTTTCTGCACATAAGTTA TGGTTTTCCATCTTATCTGTCTTC
4589	db mining	Hs.897	NM_002001	4503674	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide (FCER1A), mRNA /cds=(106,879)	1	AATTGTCAAACACAGCTTGCAATATA CATAGAAACGTCTGTGCTCAAGGA
4590	db mining	Hs.77252	NM_002012	4503718	fragile histidine triad gene (FHIT), mRNA /cds=(362,805)	1	TCCAGAAACATGACAAGGAGGACTTT CCTGCCTCTTGGAGATCAGAGGAG
4591	db mining	Hs.108694	NM_002099	8051602	•	1	TCATAGTTAAATTTGGTATTCGTGGG GGAAGAAATGACCATTTCCCTTGT
4592	literature	Hs.342656	NM_002119	4504400	major histocompatibility complex, class II, DN alpha (HLA-DNA), mRNA	1	ACACACATTCTTGCTCTACCCAAAGC TCTGGCTGGCAGCACTAAATGCTT
4593	literature	Hs.342656	NM_002119	4504400		1	ACACACATTCTTGCTCTACCCAAAGC TCTGGCTGGCAGCACTAAATGCTT
4594	db mining	Hs 1802	NM_002120	4504402	major histocompatibility complex, class II, DO beta (HLA-DOB), mRNA	1	GCAGTCTCCACAGTCTTCAGAAGACA AATGCTCAGGTAGTCACTGTTTCC
4595	db mining	Hs.279930	NM_002124	4504410		1	GCCTCCCGTGCATCTGTACTCACCCT GTACGACAAACACATTACATT
4596	db mining	Hs.73885	NM_002127	4504414	HLA-G histocompatibility antigen, class I, G (HLA-G), mRNA /cds=(5,1021)	1	TTTCCTGTTCCAGAAAAGGGGCTGGG ATGTCTCCGTCTCTGTCTCAAATT
4597	db mining	Hs.1521	NM_002180	4504622		1	CGGCCTTCTCCGGTGTCCTGTACCAA CTCTTCTATTTAAGAGAACCTCAG
4598	db mining	Hs 173880	NM_002182	4504660	•	1	GGGACGTTCCATGCCCAGGTTAACAA AGAACTGTGATATATAGAGTGTCT
4599	literature	Hs.172689	NM_002183	13324709	• • •	1	ATGGGAGATGCCTGTGTAATTTCGTC CGAAGCTGCCAGGAAGAAGAACAG
4600	literature	Hs.12503	NM_002189	4504648		1	CCTCTCCATTGAAGGATTCAGGAAGA AGAAAACTCAACTC

4601	literature	Hs.149609	NM_002205	4504750	integrin, alpha 5 (fibronectin receptor, alpha polypeptide) (ITGA5), mRNA	1	CCTCACCTTGGCACCAGACACCCAG GACTTATTTAAACTCTGTTGCAAGT
4602	Table 3A	Hs 149846	NM_002213	4504772	/cds=(23,3172) integrin, beta 5 (ITGB5), mRNA /cds=(29,2419)	1	TGCAAATGTGAGTTTCCTCTCTGTC CGTGTTTGTTTAGTACTTTTATAA
4603	db mining	Hs 78465	NM_002228	7710122	v-jun avian sarcoma virus 17 oncogene homolog (JUN), mRNA /cds=(974,1969)	1	AGCAGGAATTGGTGGCAGATTTTACA AAAGATGTATCCTTCCAATTTGGA
4604	db mining	Hs 169824	NM_002258	4504878	killer cell lectin-like receptor subfamily B, member 1 (KLRB1), mRNA	1	TGGATCTGCCAAAAAGAACTAACACC TGTGAGAAATAAAGTGTATCCTGA
4605	db mining	Hs 172195	NM_002408	6031183	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-	1	TTCCTGTACTATTGTGTTTTGAGTGTG TTTTGGAACCTTCATAGAACACA
4606	literature	Hs 77367	NM_002416	4505186	acetylglucosaminyltransferase monokine induced by gamma interferon (MIG), mRNA /cds=(39,416)	1	TGACCCACTTACCTTGCATCTCACAG GTAGACAGTATATAACTAACAACC
4607	Table 3A	Hs.926	NM_002463	11342663	myxovirus (influenza) resistance 2, homolog of murine (MX2), mRNA /cds=(104,2251)	1	TTTCCCTGATTATGATGAGCTTCCATT GTTCTGTTAAGTCTTGAAGAGGA
4608	db mining	Hs.173084	NM_002470	11342671	myosin, heavy polypeptide 3, skeletal muscle, embryonic (MYH3), mRNA /cds=(84,5906)	1	CACGAGAGTGAAGAGTGAGCCAGCC CTTCTGGAGCAGGAGCAGGACAGAA
4609	db mining	Hs.113973	NM_002472	4505300	myosin, heavy polypeptide 8, skeletal muscle, perinatal (MYH8), mRNA /cds=(73,5886)	1	AAGAAAGGCACAAAATGTGCTATTTT TGGTCACTTGCTTTATGACGTTTA
4610	db mining	Hs 275163	NM_002512	4505408	non-metastatic cells 2, protein (NM23B) expressed in (NME2), nuclear gene encoding mitochondrial protein, mRNA /cds=(72,530)	1	GTCCCTGGACACAGCTCTTCATTCCA TTGACTTAGAGGCAACAGGATTGA
4611	Table 3A	Hs.85844	NM_002529	4585711	neurotrophic tyrosine kinase, receptor, type 1 (NTRK1), mRNA /cds=(0,2390)	1	GTACCAGCTCTCCAACACGGAGGCA ATCGACTGCATCACGCAGGGACGTG
4612	db mining	Hs 93728	NM_002586	4505624	pre-B-cell leukemia transcription factor 2 (PBX2), mRNA /cds=(0,1292)	1	GGGGGCTAGTTCTCTCCTCACTTGTA AACTTGTGTAGTTTCACAGAAAAA
4613	db mining	Hs.41639	NM_002598	4505654		1	ACAGAAGAATTTGTGTGGAAGCAGGA TGTAACAGATACACCGTAAAGGCA
4614	Table 3A	Hs.181013	NM_002629	4505752	phosphoglycerate mutase 1 (brain) (PGAM1), mRNA /cds=(31,795)	1	CCCTGCCACATGGGTCCAGTGTTCAT CTGAGCATAACTGTACTAAATCCT
4615	db mining	Hs.288579	NM_002644	11342673	polymeric immunoglobulin receptor (PIGR), mRNA /cds=(156,2450)	1	CTTGAAGGAAGAGGGACCAGGGTGG GAGAGCTGATTGCAGAAAGGAGAGA
4616	db mining	Hs.261285	NM_002669	4505894	pleiotropic regulator 1 (PRL1, Arabidopsis homolog) (PLRG1), mRNA	1	AAACCATTAAAGTATACAGAGAGGAT GACACAGCCACAGAAGAAACTCAT
4617	Table 3A	Hs.79402	NM_002694	14702172	polymerase (RNA) II (DNA directed) polypeptide C (33kD) (POLR2C), transcript variant gamma, mRNA	1	AACATGCACAAAGCAGTTAATTAGGC AGCCTGGAGAAAACCAGAGATCCA
4618	Table 3A	Hs.77202	NM_002738	4506068	protein kinase C, beta 1 (PRKCB1), mRNA /cds=(136,2151)	1	ACTTCCAGAAACTCATCAAATGAACA GACAATGTCAAAACTACTGTGTCT
4619	literature	Hs 180533	NM_002756	4506098	mitogen-activated protein kinase kinase 3 (MAP2K3), mRNA	1	GCTTTATGGGTTTGGCTTGTTTTTCTT GCATGGTTTGGAGCTGATCGCTT
4620	literature	Hs 118825	NM_002758	14589899	mitogen-activated protein kinase kinase 6 (MAP2K6), transcript variant 1, mRNA /cds=(340,1344)	1	TTCTTTCTTGGCCTCAAGTTCAATATG GAGAGGATTGCTTCCCTGAATCC
4621	db mining	Hs.241561	NM_002770	4506146		1	AACTATGTGGACTGGATTAAGGACAC CATAGCTGCCAACAGCTAAAGCCC
4622	db mining	Hs.928	NM_002777	7382457		1	CCTGACTTCTTCACGCGGGTAGCCCT CTACGTGGACTGGATCCGTTCTAC
4623	db mining	Hs.78575	NM_002778	11386146		1	AGCCAGCAGGACATGAAGTTGCTATT AAATGGACTTCGTGATTTTTGTTT
4624	db mining	Hs.250655	NM_002823	4506276		1	TTTGGCCTGTTTTGATGTATGTGTGA AACAATGTTGTCCAACAATAAACA
4625	db mining	Hs 82547	NM_002888	4506424	retinoic acid receptor responder (tazarotene induced) 1 (RARRES1), mRNA /cds=(36,722)	1	AACTTGTGCCACAAGAGTTACAATCA AAGTGGTCTCCTTAGACTGAATTC
4626	db mining	Hs.106061	NM_002904	14670267		1	AAAGCCTTTAAAAACGGCTGTCAGGT TTGATCTCAGTGTAACAACATGGC
4627	db mining	Hs.139226	NM_002914	4506486		1	GAAAATGCGCCTTAGGCTGAGCCAA CATGACTGTCCCCCAAACTCCAGTG
4628	db mining	Hs.123638	NM_002918	4506492	regulatory factor X, 1 (influences HLA class II expression) (RFX1), mRNA /cds=(93,3032)	1	CCAGCTTCGGTTCCTTCCACCTCATC CGGCTGCTCTACGACGAGTACATG
4629	db mining	Hs.166019	NM_002919	4506494	regulatory factor X, 3 (influences HLA class II expression) (RFX3), mRNA	1	AAGATTGGTGCTCCTGATAAAGCAAA GGGCTAGGAATACAATGGAAAGGA
4630	db mining	Hs.21273	NM_002920	15011897	/cds=(8,2131) transcription factor NYD-sp10 mRNA, complete cds /cds=(109,2034)	1	TCATTGGTACACATTCTGTATGCTGC TGTTTTCAAGTTGGCAAATTAAGC

4631	literature	Hs 73839	NM_002935	4506550	ribonuclease, RNase A family, 3 (eosinophil cationic protein) (RNASE3), mRNA /cds=(63,545)	1	TATCAGCAACTGTCCTCATCAGTCTC CATACCCCTTCAGCTTTCCTGAGC
4632	Table 3A	Hs 74267	NM_002948	4506602	60S ribosomal protein L15 (EC45) mRNA, complete cds /cds=(34,648)	1	GCAGCTTGGAGAAGGCGCAATACTC CAGCTCCACCGTTACCGCTAATATA
4633	Table 3A	Hs 74267	NM_002948	4506602	60S ribosomal protein L15 (EC45)	1	GCAGCTTGGAGAAGGCGCAATACTC CAGCTCCACCGTTACCGCTAATATA
4634	db mining	Hs.74592	NM_002971	4506790	mRNA, complete cds /cds=(34,648) special AT-rich sequence binding	1	CGGAGCCTCAAACAAGCATTATACCT
					protein 1 (binds to nuclear matrix/scaffold-associating DNA's)		TCTGTGATTATGATTTCCTCTCCT
4005	T-61- 04	H= 00744	NINE COCCOO	4506848	(SATB1), mRNA /cds=(214,2505) small inducible cytokine subfamily B	1	ATGTTTCTTGGGGAATATGTTAGAGA
4635	Table 3A	Hs 89714	NM_002994	4300040	(Cys-X-Cys), member 5 (epithelial-	•	ATTCCCTTACTCTTGATTGTGGGA
					derived neutrophil-activating peptide 78) (SCYB5), mRNA /cds=(106,450)		
4636	db mining	Hs.82109	NM_002997	4506858	syndecan 1 (SDC1), mRNA /cds=(205,1137)	1	AGAGTGATAGTCTTTTGCTTTTGGCA AAACTCTACTTAATCCAATGGGTT
4637	db mining	Hs.301698	NM_003033	4506950		1	GCCTCTTGCTTGGCGTGATAACCCTG TCATCTTCCCAAAGCTCATTTATG
					sialyltransferase (SIAT4A) gene,		10/11011000/0110010/11/11/11
					complete sequence		TTCAACTCACCACTCCTCCTTACTCC
4638	db mining	Hs.78403	NM_003083	4507102	small nuclear RNA activating complex, polypeptide 2, 45kD (SNAPC2), mRNA	1	TTCAACTGACCAGTCGTGGTTACTCC CTGCTGCCAGGTCCTTCCCCTTCC
4639	literature	Hs.80738	NM_003123	4507180	/cds=(24,1028) gene for sialophorin (CD43)	1	GGCTGGCACCTCTCAACGTCTGTGG
			_		/cds=(159,1361)	1	ACTGAATGAATAAACCCTCCTCATC TGGGAATAACGTCCAAAACACTCTGG
4640	db mining	Hs.81884	NM_003167	4507306	dehydroepiandrosterone (DHEA) -	ı	ATCTTATATGGAGAATGACATTGA
					preferring, member 1 (SULT2A1), mRNA /cds=(52,909)		
4641	literature	Hs.7510	NM_003188	4507360	DNA sequence from clone RP1-	1	AGTACTGAACTCAGTTCCATCCGTAA AATATGTAAAGGTAAGTGGCAGCT
					154G14 on chromosome 6q15-16.3. Contains the 3' end of the MAP3K7		ATATOTAAGGTAGTGGGAGGT
					gene for mitogen-activated protein kinase kinase kinase 7 (TGF-beta		
					activated kinase 1, TAK1), ESTs, STSs		
4642	db mining	Hs.250641	NM_003290	4507650	tropomyosin 4 (TPM4), mRNA /cds=(50,796)	1	GCCCAACTTCATTTCCATACTTCAGG GAACAGCAAATTGAGGATTTACTT
4643	Table 3A	Hs.178551	NM_003316	10835036	ribosomal protein L8 (RPL8), mRNA	1	CCGTTGAATGAGTGTGTTTTGTACAT
4644	Table 3A	Hs.4248	NM_003371	4507870	/cds=(43,816) vav 2 oncogene (VAV2), mRNA	1	AACTTCAGATACTTGTGAACATGC TTTCTTGGGAGAGTCACTCCAGCCCT
4645	Table 3A	Hs.89414	NM_003467	4503174	/cds=(5,2641) chemokine (C-X-C motif), receptor 4	1	GAAGTCTGTCTCTAGCTCCTCTGT TCAGGAGTGGGTTGATTTCAGCACCT
4646	Table 3A	Hs.100293	- NM_003605	6006036	(fusin) (CXCR4), mRNA /cds=(88,1146)	1	ACAGTGTACAGTCTTGTATTAAGT TTAGGAGTGATTACTAATTATCAAGG
4040	Table SA	HS. 100293	NW_003003	0000000	(GlcNAc) transferase (UDP-N-	•	GCACAGTTGTGGTACTGTCATTGA
					acetylglucosamine:polypeptide-N- acetylglucosaminyl transferase) (OGT),		
4647	db mining	Hs.24640	NM_003612	4504236	mRNA /cds=(2039,4801) sema domain, immunoglobulin domain	1	CGGACGGAAGGACGGAAAAAGCTCT
1011	ab //////				(lg), and GPI membrane anchor,		ATTTTATGTTAGGCTTATTTCATG
					(semaphorin) 7A (SEMA7A), mRNA /cds=(17,2017)		
4648	db mining	Hs.131814	NM_003747	4507612	TRF1-interacting ankyrin-related ADP- ribose polymerase mRNA, partial cds	1	AGTCCCTGACAGCCTAGAAATAAGCT GTTTGTCTTCTATAAAGCATTGCT
4040	alle and a trans	11- 004004	NINE 000770	42020460	/cds=(0,3284) UDP-Gal:betaGlcNAc beta 1,4-	1	GCATTTTCTGCCTATGCTGGAATAGC
4649	db mining	Hs.321231	NM_003779	13929468	galactosyltransferase, polypeptide 3	·	TCCCTCTTCTGGTCCTGGCTCAGG
4650	Table 3A	Hs.151461	NM_003797	14523051	(B4GALT3), mRNA /cds=(262,1443) embryonic ectoderm development	1	AGTAAGGGCACGTAGAGCATTTAGAG
4651	Table 3A	Hs.103755	NM 003821	4506536	(EED), mRNA /cds=(34,1317) receptor-interacting serine-threonine	1	TTGTCTTTCAGCATTCAATCAGGC TGGGTCTTCAGCCTTACCCGGAAATA
			_		kınase 2 (RIPK2), mRNA /cds=(0,1622)	1	CTTGTGGTTTCTAGATCACCATCT ACAAGGCTGACACCAACAGAGATCGT
4652	db mining	Hs.184376	NM_003825	4507096	Homo sapiens, synaptosomal- associated protein, 23kD, clone	ı	ATTGATATTGCCAATGCCAGAGCA
					MGC.5155 IMAGE:3461227, mRNA, complete cds /cds=(73,708)		
4653	db mining	Hs.158315	NM_003853	4504656	interleukin 18 receptor accessory	1	AGCTACTTCTGCCTTATGGCTAGGGA ACTGTCATGTCTACCATGTATTGT
4654	db mining	Hs.102865	NM_003854	4504662	protein (IL18RAP), mRNA interleukin 1 receptor-like 2 (IL1RL2),	1	TGACTTGTTTTGCTCCATGTCTCCTC
4655	db mining	Hs 159301	NM_003855	4504654	mRNA /cds=(134,1822) interleukin 18 receptor 1 (IL18R1),	1	ATTCCTACACCTATTTTCTGCTGC CTGTGAAACCGTCAGTTCGGAAGGCT
4656	db mining	Hs.35947	NM_003925	4505120	mRNA /cds=(24,1649)	1	GGTTAGAACATGTGGGAGCAACAT GCCTAGTGTGTGTGCTTTCTTAATGT
4000	do mining	113.00041	14M_000920	7000120	(MBD4), mRNA /cds=(176,1918)	•	GTGTGCCAATGGTGGATCTTTGCT

4657	db mining	Hs 287832	NM_003953		myelin protein zero-like 1 (MPZL1), mRNA /cds=(132,941)	1	ACCAAACTGGACTCTCGTGCAGAAAA TGTAGCCCATTACCACATGTAGCC
4658	Table 3A	Hs 108371	NM_003973	4506600	E2F transcription factor 4, p107/p130-	1	GCACCTGCTCCAAAGGCATCTGGCA
4000	Table 5A	113 (0007)			binding (E2F4), mRNA /cds=(62,1303)	4	AGAAAGCATAAGTGGCAATCATAAA CTCCTGTGGATTCACATCAAATACCA
4659	Table 3A	Hs 155101	NM_004046		mRNA for KIAA1578 protein, partial cds /cds=(0,3608)	1	GTTCAGTTTTGTCATTGTTCTAGT
4660	Table 3A	Hs 238990	NM_004064	4757961	Homo sapiens, Similar to cyclin- dependent kinase inhibitor 1B (p27, Kip1), clone MGC.5304	1	GCCAACAGAACAGAAGAAAATGTTTC AGACGGTTCCCCAAATGCCGGTTC
4661	Table 3A	Hs.239760	NM_004077	4758075	IMAGE:3458141, mRNA, complete cds Homo sapiens, clone MGC:19593 IMAGE:3542491, mRNA, complete cds /cds=(118,1518)	1	CTCTAGAAAGGCCCAAGTCCATGAGC ACAGAGGGTCTGATGAAGTTTGTG
4662	db mining	Hs 272537	NM_004088	4758185	deoxynucleotidyltransferase, terminal (DNTT), mRNA /cds=(0,1532)	1	AGACCAAGAGGATATTCCTCAAAGCA GAAAGTGAAGAAGAAATTTTTGCG
4663	db mining	Hs 75450	NM_004089	4758197	mRNA for GILZ, complete cds /cds=(233,637)	1	TGGAGAAGTTCCAGTCCTGTCTGAGC CCTGAAGAGCCAGCTCCCGAATCC
4664	db mining	Hs.32981	NM_004186	4759089	sema domain, immunoglobulin domain (lg), short basic domain, secreted, (semaphorin) 3F (SEMA3F), mRNA /cds=(78,2435)	1	GAAGTAGACTTTCTGTCCTCACACCG AAGAACCCGAGTGAGCAGGAGGGA
4665	db mining	Hs.444	NM_004197	4759179	serine/threonine kinase 19 (STK19),	1	GTGGGATTTCTGGGGAGGCTGGTGA AGGAGGGCAGGGTTCTTTTCTCTAC
4666	db mining	Hs.74115	NM_004258	4758589	transcript variant 2, mRNA immunoglobulin superfamily, member 2	1	CTATAGCTTCATGACCGTAACATGTG ACCTGTGTGCTGGCAGGACGACTC
4007	dh minina	Hs.25887	NM_004263	4759093	(IGSF2), mRNA /cds=(21,3086) mRNA; cDNA DKFZp761O15121 (from	1	ATGATCCCCATGTTGCAATATGGAGT
4667	db mining	ris.23007	1410_00+200		clone DKFZp761O15121); complete cds /cds=(111,2423)		CTCTGCCCTGAGATCTTCCCCATC
4668	Table 3A	Hs.184211	NM_004279	4758733	peptidase (mitochondrial processing) beta (PMPCB), mRNA /cds=(13,1482)	1	TGGTCAGTCTTTGTTCTCTGAGAAAT TATGTTGGAAGCAGCATACTTTCA
4669	db mining	Hs.18142	NM_004313	4757779	arrestin, beta 2 (ARRB2), mRNA /cds=(53,1282)	1	CCCCAAGATACACACTGGACCCTCTC TTGCTGAATGTGGGCATTAATTTT
4670	literature	Hs.54457	NM_004356	4757943	CD81 antigen (target of antiproliferative antibody 1) (CD81), mRNA	1	TTCTAACACGTCGCCTTCAACTGTAA TCACAACATCCTGACTCCGTCATT
4671	db mining	Hs.42853	NM_004381	14577922	cAMP responsive element binding	1	TTTTCATTTTGGAGCTAGTTACTGG GAGTAAGGGAGGGTGGGGTG
4672	db mining	Hs.318546	NM_004390	4758095		1	GGGACTGTCTTTTCTGTATTCGCTGT
	•				highly similar to HSCATHH mRNA for cathepsin H (EC 3.4.22.16) /cds=UNKNOWN		TCAATAAACATTGAGTGAGCACCT
4673	literature	Hs.318546	NM_004390	4758095	cDNA: FLJ22499 fis, clone HRC11250, highly similar to HSCATHH mRNA for cathepsin H (EC 3.4.22.16) /cds=UNKNOWN	1	GGGACTGTCTTTTCTGTATTCGCTGT TCAATAAACATTGAGTGAGCACCT
4674	Table 3A	Hs.124024	NM_004416	4758201		1	AGAGAAGACTCATCTTCACTATCGGC ACGTCCAACACCACGGGCGAGTCG
4675	Table 3A	Hs.74088	NM_004430	4758251		1	AAACCGAAATATTGAAATGGTGTAAT GTTGTACCATTTGCACTGTGAGCA
4676	db mining	Hs.278611	NM_004482	9945386	UDP-N-acetyl-alpha-D-	1	AGGTGGGGAAAATGAATTTTGTATG
	_				galactosamine polypeptide N- acetylgalactosaminyltransferase 3		CTGAATTTCTAAGCGCCTATTGTT
4677	db mining	Hs.73734	NM_004488	4758459		1	GTGGATGTGGAGCAGGAGAGCTGGA TCGTGGCATTTGTTTCTGGGTTCTG
4678	db mining	Hs.182447	NM_004500	14110430	/cds=(270,1952) heterogeneous nuclear	1	AAAGTTGATACTGTGGGATTTTTGTG
4070	, db 11		- -		ribonucleoprotein C (C1/C2) (HNRPC), transcript variant 1, mRNA		AACAGCCTGATGTTTGGGACCTTT
4679	db mining	Hs.111065	5 NM_004505	4758563	bi ubiquitin specific protease 6 (Tre-2 oncogene) (USP6), mRNA /cds=(1696,4056)	1	TGTGGTTGCCTCTATGTGCTGTTTTT CCTCATACAAGTAAACACAGAAAG
4680	Table 3A	Hs 76038	NM_004508	4758583		1	CCCAACTGAGGACCACTGTCTACAGA GTCAGGAAATATTGTAGGGAGAAA
468	1 db mining	Hs.29628	1 NM_004514	4758599		1	TGTTTGTTTCTTTGTGTTGACTTTGTC CCTGGCAAAATTTTCCACTCTGA
468	2 db mining	Hs.17267	4 NM_004555	4758803	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	1	AGGTGACCTGGTTACTTAGCTAGGAT TGGTGATTTGTACTGCTTTATGGT
468	3 Table 3A	Hs.78920	NM_004581	475901	(NFATC3), mRNA /cds=(210,3416) Rab geranylgeranyltransferase, alpha subunit (RABGGTA), mRNA /cds=(274,1977)	1	CCCTACCCTTGCCCTTTAACTTATTG GGACTGAATAAAGAATGGAGAGGC
468	4 db mining	Hs.90957	NM_004620	475925		1	GGGCTTTTGCTCTGGTGTATTTTATT GTCAGAAAGTCCAGACTCAAGAGT
468	5 db mining	Hs.25333	NM_004633	475859		1	TGGTCTGACTGTGCTATGGCCTCATC ATCAAGACTTTCAATCCTATCCCA

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4686	db mining	Hs 82222	NM_004636		sema domain, immunoglobulin domain (lg), short basic domain, secreted, (semaphorin) 3B (SEMA3B), mRNA /cds=(235,2484)	1	GGGCGAGGCAGGCCGACTGTACTAA AGTAACGCAATAAACGCATTATCAG
4687	db mining	Hs 332229	NM_004669	4758005	zh68e05 s1 cDNA, 3' end /clone=IMAGE.417248 /clone_end=3'	1	GTACGCCGCTACCTGGACAGCGCGA TGCAGGAGAAAGAGTTCAAATACAC
4688	Table 3A	Hs 77324	NM_004730	4759033	eukaryotic translation termination factor 1 (ETF1), mRNA /cds=(135,1448)	1	TGCAGAGAGATACTAAGCAGCAAAAT CTTGGTGTTGTGATGTACAGAAAT
4689	Table 3A	Hs.326159	NM_004735	4758689	leucine rich repeat (in FLII) interacting protein 1 (LRRFIP1), mRNA	1	GGATAACAAGTAAATGTCTGAAAGCA TGAGGGGCTTTATTTGCCTTTACC
4690	db mining	Hs.107526	NM_004776	13929470	/cds=(178,2532) UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5		TGAGCTTGCTCTTACGTTTTAAGAGG TGCCAGGGGTACATTTTTGCACTG
4691	Table 3A	Hs.49587	NM_004811	4758669	(B4GALT5), mRNA /cds=(112,1278) leupaxin (LPXN), mRNA /cds=(93,1253)	1	ACTGGACAACTTTGAGTACTGACATC ATTGATAAATAAACTGGCTTGTGG
4692	db mining	Hs.24395	NM_004887	4757869	NJAC protein (NJAC) mRNA, complete cds /cds=(7,306)	1	CGCAGGGTCTACGAAGAATAGGGTG AAAAACCTCAGAAGGGAAAACTCCA
4693	Table 3A	Hs.145696	NM_004902	4757925	splicing factor (CC1.3) (CC1.3), mRNA /cds=(149,1723)	1	AGGTTTTGTCTGGTTGCATATAATCTT TGCTCTTTTTAAGCTCTGTGAGC
4694	db mining	Hs 129738	NM_004977	4826787	potassium voltage-gated channel, Shaw-related subfamily, member 3 (KCNC3), mRNA /cds=(295,2568)	1	CCTTGCAGACCCCACCCCCTGCCTG CTCTCTTTCCCTACAACTAGGTCAG
4695	db mining	Hs.279946	NM_004990	14043021	methionine-tRNA synthetase (MARS), mRNA /cds=(23,2725)	1	GCCCCTAAAGGCAAGAAGAAAAGTA AAAGACCTTGGCTCATAGAAAGTC
4696	db mining	Hs.927	NM_004997	4826841	myosin-binding protein H (MYBPH), mRNA /cds=(28,1458)	1	GGAGTTGCACTCTGGGTGGGAAGCA CTCAAATAAAGATGCGTGGTGTTAA
4697	Table 3A	Hs.180610	NM_005066	4826997	splicing factor proline/glutamine rich (polypyrimidine tract-binding protein- associated) (SFPQ), mRNA	1	AGCTTTTGAAAAGTGGAAAGGTCATT TTGTTGCATTTCCCCATTTCTTGT
4698	literature	Hs.100001	NM_005074	4827009	/cds=(85,2208) solute carrier family 17 (sodium phosphate), member 1 (SLC17A1), mRNA /cds=(12,1415)	1	ACCTCCTTATTGAAGGGAAGAGGGAC CAGCACATGAGGCTGAGGCTGAGG
4699	db mining	Hs.81737	NM_005155	6325470	inactive palmitoyl-protein thioesterase- 2i (PPT2) mRNA, complete cds /cds=(568,1473)	1	GGTATCTCCCACACAGCCTGGCACTC CAACCGTACCCTTTATGAGACCTG
4700	db mining	Hs.179735	NM_005167	4885066	ras homolog gene family, member C (ARHC), mRNA /cds=(76,657)	1	AAGGATGGTCACACACCAGCACTTTA TACACTTCTGGCTCACAGGAAAGT
4701	literature	Hs.113222	NM_005201	13929430		1	ATCATCCTGCCAGCAGCACTCCTCCC GTTCCTCCAGCGTAGACTACATTT
4702	db mining	Hs.181128	NM_005229	11496880		1	AGTGCTACACTCGTCTCCACTGTTTG TTTTACTTCCCCAAAATGGACCTT
4703	Table 3A	Hs 248109	NM_005238	4885218		1	ACGCTACTATTACGACAAAAACATCA TCCACAAGACAGCGGGGAAACGCT
4704	Table 3A	Hs.85146	NM_005239	4885220		1	TTTGAGAGGGTAGGAGGGTGGGAAG GAAACAACCATGTCATTTCAGAAGT
4705	db mining	Hs.129953	NM_005243	4885224		1	CATGCTCAGTATCATTGTGGAGAACC AAGAGGGCCTCTTAACTGTAACAA
4706	db mining	Hs.289098	NM_005265	4885270		1	GACCGGCTTCCCCTGTGAGCAGCAG AGCAGCACAATAAATGAGGCCACTG
4707	Table 3A	Hs.181307	NM_005324	4885384		1	GAAGATACCAACCTGTGTGCCATCCA CGCTAAGAGAGTCACCATCATGCC
4708	Table 3A	Hs 79334	NM_005384	4885516	nuclear factor, interleukin 3 regulated (NFIL3), mRNA /cds=(213,1601)	1	GTTATCACTCTGCCTGTGTATAGTCA GATAGTCCATGCGAAGGCTGTATA
4709	db mining	Hs.297939	NM_005385	6631099		1	ACTGACAGAGTGAACTACAGAAATAG CTTTTCTTCCTAAAGGGGATTGTT
4710	db mining	Hs.78824	NM_005424	4885630		1	TAAGCCAGCACTCACACCACTAACAT GCCCTGTTCAGCTACTCCCACTCC
4711	Table 3A	Hs 181195	5 NM_005494	4885494		1	GGATGTTTTCTAGTTGTGCATGAATG CTGGCAACTTAGTAAGTTTTGACA
4712	db mining	Hs 153299	NM_005510	5031670		1	CCCAAATAGTAATGCTTTAGAGGGAG GCAGTCATATCTCTGTGTGCAGAT
4713	db mining	Hs.77961	NM_005514	5031742		1	ATGTGTAGGAGGAAGAGTTCAGGTG GAAAAGGAGGGAGCTACTCTCAGGC

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4714	literature	Hs.279853	NM_005516		HSPC018 protein (HSPC018), mRNA	1	CCCCTTCCTCACACTGACCTGTGTTC CTTCCCTGTTCTCTTTTCTATTAA
4715	db mining	Hs.80288	NM_005527	5031768	/cds=(148,651) heat shock 70kD protein-like 1	1	AAACTCTACCAAGGAGGATGCACTGG
	_		_		(HSPA1L), mRNA /cds=(0,1925)	1	GCCTGCCTGCGGAACAGGGTATGT CCCTTGGCACGTAAACAGACTACTAG
4716	db mining	Hs 171776	NM_005536		nositol(myo)-1(or 4)-monophosphatase 1 (IMPA1), mRNA /cds=(98,931)	•	ACTTATTGTAGGTTCGTTTGAGCT
4717	db mining	Hs 102171	NM_005545	5031808	immunoglobulin superfamily containing leucine-rich repeat (ISLR), mRNA /cds=(98,1384)	1	CAAAGGCCAGCCAGCTTGGGAGCAG CAGAGAAATAAACAGCATTTCTGAT
4718	literature	Hs 150101	NM_005561	7669500	lysosomal-associated membrane protein 1 (LAMP1), mRNA	1	GTGAGATCGGTGCGTTCTCCTGATGT TTTGCCGTGGCTTGGGGATTGTAC
4719	db mining	Hs.154970	NM_005653	5032174	transcription factor CP2 (TFCP2), mRNA /cds=(508,1860)	1	GAACTTTCAGGAAGAAGCATGTTTTA TTCTGGACACAATGAAAGAAACCA
4720	Table 3A	Hs 82173	NM_005655	5032176	TGFB inducible early growth response (TIEG), mRNA /cds=(123,1565)	1	TTGGGTGTAGATTTCTGACATCAAAA CTTGGACCCTTGGAAAACAAAAGT
4721	db mining	Hs.200600	NM_005698	5032076	secretory carrier membrane protein 3 (SCAMP3), mRNA /cds=(96,1139)	1	CAACCCAGCTTCCCTCTGCTGTGCCA CGGCTGTTGCTTCGGTTATTTAAA
4722	db mining	Hs.157144	NM_005819		syntaxin 6 (STX6), mRNA /cds=(0,767)	1	ATAGCCATCCTCTTTGCAGTCCTGTT GGTTGTGCTCATCCTCTTCCTAGT
4723	db mining	Hs.17704	NM_005844	5031730	PERB11 family member in MHC class I region (HCGIX), mRNA /cds=(37,270)	1	ACATGAGCTTCTACCTCCAGATGTGC CAGGGTGCATCTCAATAAACTTGG
4724	db mining	Hs.135194	NM_005849		immunoglobulin superfamily, member 6 (IGSF6), mRNA /cds=(44,769)	1	ACTGAAAAGACAACTGGCTACAAAGA AGGATGTCAGAATGTAAGGAAACT
4725	db mining	Hs.4953	NM_005895	5174440	golgi autoantigen, golgin subfamily a, 3 (GOLGA3), mRNA /cds=(269,4861)	1	AAGTTGTGGCTGTTCTTGGGAAAGGG GTCACCGTGTCTGACAAAGTGTAA
4726	db mining	Hs.211580	NM_005931	5174564	MHC class I polypeptide-related sequence B (MICB), mRNA	1	CCCCTCGCCCCGTCACACCGTTATG CATTACTCTGTGTCTACTATTATGT
4727	Table 3A	Hs.68583	NM_005932	5174566	mitochondrial intermediate peptidase (MIPEP), nuclear gene encoding mitochondrial protein, mRNA /cds=(74,2215)	1	GCTGTGAGAGCTTGTTTCTGATTGTT TCATTGTTCGCTTCTGTAATTCTG
4728	Table 3A	Hs.54452	NM_006060	5174500	zinc finger protein, subfamily 1A, 1 (lkaros) (ZNFN1A1), mRNA	1	ACCAACACTGTCCCAAGGTGAAATGA AGCAACAGAGAGGAAATTGTACAT
4729	db mining	Hs.292276	NM_006068	5174720	qd64a01.x1 cDNA, 3' end /clone=IMAGE:1734216 /clone_end=3'	1	TGCTCAGTTTTTCAGCTCCTCTCCAC TCTGCTTTCCCAAATGGATTCTGT
4730	db mining	Hs.131342	NM_006072	5174670		1	ATATTCACTACCAAAAGAGGCAAGAA AGTCTGTACCCATCCAAGGAAAAA
4731	db mining	Hs 2414	NM_006080	5174672	sema domain, immunoglobulin domain (lg), short basic domain, secreted, (semaphorin) 3A (SEMA3A), mRNA	1	GCTGCATTACCTCTAGAAACCTCAAA CAAGTAGAAACTTGCCTAGACAAT
4732	db mining	Hs.2654	NM_006081	5174562	/cds=(15,2330) MHC binding factor, beta (MHCBFB),	1	TCCAAGTCGAAATCGCTGCTGAGGCT
4733	literature	Hs 125359	NM 006288	5454117	mRNA /cds=(90,1286) Homo sapiens, clone MGC:846	1	GAGATGAAGAAAGAAAAGTCCAAA CATCTCCTCCCAGAACGTCACAGTGC
4755	inerature	110 120000	\\\\\		IMAGE:3507917, mRNA, complete cds /cds=(60,545)		TCAGAGACAAACTGGTCAAGTGTG
4734	db mining	Hs.23168	NM_006313	14149626	ubiquitin specific protease 15 (USP15), mRNA /cds=(9,2867)	1	TTTGTCTGCACTTGAGTTCACTTGAG TTTACATTTGAAATGTGCATGTTT
4735	db mining	Hs.171921	NM_006379	5454047	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C (SEMA3C), mRNA /cds=(562,2817)	1	AGTTCCCTTTATTTCACATAAGCCCAA ACTGATAGACAGTAACGGTGTTT
4736	db mining	Hs.240534	NM_006411	5453717	1-acylglycerol-3-phosphate O- acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	1	GGAGAGGGTGGGACCCAGTTTTGCG TGGTTGGTTTTTATTAATTATCTGG
4737	db mining	Hs.181368	NM_006445	5453983	U5 snRNP-specific protein (220 kD), ortholog of S. cerevisiae Prp8p (PRP8), mRNA /cds=(41,7048)	1	CCTCTTTCCCTCTGTCTGTGCTTGTG TTGTTGACCTCCTGATGGCTTGTC
4738	db mining	Hs 239506	NM_006561	5729815	mab-21 (C. elegans)-like 1 (MAB21L1), mRNA /cds=(818,1897)	1	CTGATTCTTCTGTCCTCATTGTGAAC ATAACCGTGTAGTTGAAACAGTCA
4739	db mining	Hs.34526	NM_006564	5730105		1	TTTCCAATGTCTGCCACACAACGTA TGTAAATGTATATACCCACACACA
4740	db mining	Hs.86998	NM_006599	5729944		1	TCCTGAGAAACAACACATTTTTCCCC ATGAACGGTGCTGTTCTGAAGTCT
4741	db mining	Hs.167751	NM_006604	5730012	ret finger protein-like 3 (RFPL3), mRNA /cds=(292,1158)	1	TATTGCCACCATCCAACTCATTGAGT CTTATGGTTCACATCTTGTTTCCT
4742	db mining	Hs.157427	7 NM_006605	5730010	ret finger protein-like 2 (RFPL2),	1	AGTCCTATGGTTCACATCTTGTTTCCT ATAGAAATGTCCTGTATTCTGGG
4743	db mining	Hs.74861	NM_006713	5729967	mRNA /cds=(292,1158) activated RNA polymerase II transcription cofactor 4 (PC4), mRNA	1	AAACCAGGAAGAAAAGGTATTTCTTT AAATCCAGAACAATGGAGCCAGCT

Table 8

4744	db mining	Hs.75063	NM_006734		DNA sequence from clone 67K17 on chromosome 6q24 1-24.3. Contains the HIVEP2 (Schnurri-2) gene for HIV type 1 Enhancer-binding Protein 2, and a possible pseudogene in an intron of this gene. Contains STSs and GSSs and an AAAT repeat polymorphism	1	AAGCAGTTGGACTTTCACAGCAGCAA GGAATTATCTTCAAGCACAGAGGA
4745	db mining	Hs.56328	NM_006737	5803051	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2 (KIR3DL2), mRNA /cds=(2,1369)	1	CTTCAGTGTAGCTCTCTCCTCTTCAA ATAAACATGTCTGCCCTCATGGTT
4746	db mining	Hs 82210	NM_006766	5803097	zinc finger protein 220 (ZNF220), mRNA /cds=(393,6407)	1	TTCTCTCGTGCAACCAGTTTGCCCAT TCTCTTCCTATTACTTGCTCCAGG
4747	db mining	Hs 57692	NM_006781	11321623	chromosome 6 open reading frame 10 (C6orf10), mRNA /cds=(236,1942)	1	TGCTCTTCAGAAGTTTCACCCTTTTTA ATCTCTCAGCCACAAACCTCAGT
4748	db mining	Hs 84665	NM_006790	5803105	titin immunoglobulin domain protein (myotilin) (TTID), mRNA	1	ACGTTTACTGGTACTGCTTTCTAAATA CTGTTTTACCCGTTTTCTCTTGT
4749	db mining	Hs 170027	NM_006880	6031173	mouse double minute 2, homolog of; p53-binding protein (MDM2), transcript variant MDM2, mRNA /cds=(311,1786)	1	GACAACCAATTCAAATGATTGTGCTA ACTTATTTCCCCTAGTTGACCTGT
4750	literature	Hs.27954	NM_006889	5901919	CD86 antigen (CD28 antigen ligand 2, B7-2 antigen) (CD86), mRNA	1	GGCCAAGCCCAGCTTAATGGCTCAT GACCTGGAAATAAAATTTAGGACCA
4751	Table 3A	Hs.173737	NM_006908	9845510	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1) (RAC1), transcript	1	CTCAAGACAGTGTTTGACGAAGCGAT CCGAGCAGTCCTCTGCCCGCCTCC
4752	db mining	Hs 216354	NM_006913	5902053	variant Rac1b, mRNA /cds=(0,635) ring finger protein 5 (RNF5), mRNA	1	CTTTTTCACCACCGTCTTCAATGCCC
4753	db mining	Hs.153299	NM_006929	13787218	/cds=(0,542) DOM-3 (C. elegans) homolog Z	1	ATGAGCCTTTCCGCCGGGGTACAG ACATCGTATTTGCGGCCAGCCTCTAC
4754	literature	Hs.278721	NM_006979	5901935	(DOM3Z), transcript variant 2, mRNA HLA class II region expressed gene	1	ACCCAGTGAATGCCCCATGTAAAA TATTCCTTTTATATCACTGTGTTTGAA
4755	Table 3A	Hs.97437	NM_007018	5901923	KE4 (HKE4), mRNA /cds=(326,1615) centrosomal protein 1 (CEP1), mRNA	1	TCGAGGGGAGGGGTGGTAACCG ATGGGAATAGTTGCATATGGGAATTT
4756	db mining	Hs 41716	NM_007036	13259505	/cds=(472,3456) endothelial cell-specific molecule 1	1	AAACCAACATGTGGCTGAGCCTTT GGCCTTTGAATGTAAAGCTGCATAAG
4757	db mining	Hs.155150	NM_007042	5902065	(ESM1), mRNA /cds=(68,622) ribonuclease P (14kD) (RPP14),	1	CTGTTAGGTTTTGTTTTAAAAGGA CAGTTTGGCCTTATGCTTTATGCAGA
4758	db mining	Hs.81743	NM_007053	5901909	mRNA /cds=(169,543) natural killer cell receptor,	1	CTTGAGTGTATGCAGGATTTCATT CAGACCAAGAGCACCACAGACTACAA CTGCCCAGCTTCATCTAAATACTT
					immunoglobulin superfamily member (BY55), mRNA /cds=(215,760)	4	GTGGGTAAGGGGCTCAAGCTGTGAT
4759	db mining	Hs 43543	NM_007056	5902129	(SWAP2), mRNA /cds=(143,2122)	1	GCTGCTGGTTTTATCTCTAGTGAAA ACCCTCCCAGGTTCCTGCTGAGATAT
4760	db mining	Hs.247979	NM_007128	9507238	mRNA /cds=(0,437)	1	TTCTCACAATCAGACAAGAGCCAG
4761	literature	Hs.41682	NM_007334	7669498	killer cell lectin-like receptor subfamily D, member 1 (KLRD1), transcript variant 1, mRNA /cds=(260,799)	1	GGGCAGAGAAGGTGGAGAGTAAAGA CCCAACATTACTAACAATGATACAG
4762	Table 3A	Hs.173334	NM_012081	6912353	ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)	1	GGCTCACATCAAAAGGCTAATAGGTG AATTTGACCAACAGCAAGCAGAGT
4763	db mining	Hs.268555	NM_012255	6912743		1	AACACATTTGAGGAATAGGAGGTCCG GGTTTTCCATAATGGGTAAAATGG
4764	db mining	Hs.258612	NM_012312	6912471	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4 (KIR2DS4), mRNA /cds=(46,960)	1	GCTGTTCCACCTCCCTTCAGACTATC TTTCAGCCTTCTGCCAGCAGTAAA
4765	db mining	Hs 212414	NM_012431	6912649	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E (SEMA3E), mRNA	1	ACTATAAGTCATTTTGAGTGTTGGTG TTAAGCATGAAACAACAGCAGCT
4766	Table 3A	Hs.144519	NM_012468	10947106	/cds=(466,2793) T-cell leukemia/lymphoma 6 (TCL6), transcript variant TCL6a2, mRNA /cds=(1767,2192)	1	GCTATTCACAGTTCTGGGGAACAACC AAAGGAGGAGGAGGACAAAGGGAA
4767	db mining	Hs 334729	NM_013230	7019342	cDNA FLJ20161 fis, clone COL09252, highly similar to L33930 CD24 signal transducer mRNA /cds=UNKNOWN	1	AAGCTACTGTGTGTGAATGAACAC TCTTGCTTTATTCCAGAATGCTGT
4768	db mining	Hs.278911	NM_013278	7019434		1	CTATCCACAGAAGCTGGCCTTCGCC GAGTGCCTGTGCAGAGGCTGTATCG
4769	db mining	Hs.71979	NM_013371	7019574	interleukin 19 (IL19), mRNA /cds=(47,580)	1	GTCATATAGTCCATGTCTGTGATGTG AGCCAAGTGATATCCTGTAGTACA
4770	db mining	Hs 247362	NM_013974	7524353	dimethylarginine dimethylaminohydrolase 2 (DDAH2),	1	TCCACTGGGTGAATCCTCCCTCTCAG AACCAATAAAATAGAATTGACCTT
4771	Table 3A	Hs.8360	NM_014039	7662640	PTD012 protein (PTD012), mRNA /cds=(473,1087)	1	GAGTTTCTCTATCGCATTGGTCAACC AAAAGAGACGCATTCCATTGGGCG
4772	: Table 3A	Hs.6975	NM_014086	7662589	AF001542 cDNA /clone=alpha_est218/52C1	1	TTCTCTGCATCTAGGCCATCATACTG CCAGGCTGGTTATGACTCAGAAGA

4773	db mining	Hs.278944	NM_014148		HSPC048 protein (HSPC048), mRNA	1	TGCGAAATTGTGGACTGTTGGACTGT GATTCTAAGTGGGGGGAAATAGGCT
4774	db mining	Hs 278946	NM_014152		/cds=(87,419) HSPC054 protein (HSPC054), mRNA	1	GAACCTTTCTGAAACCAGTGGCAGCC
	•		_		/cds=(107,397) HSPC073 protein (HSPC073), mRNA	1	CAAGTTAGAGCCCAGCATTAAGTC CCAGAATCTTCTATTCCCACTTCCCA
4775	db mining	Hs.278948	NM_014163		/cds=(278,649)		TTTCTCAAATCATTTGACCTGTCG
4776	db mining	Hs.130101	NM_014227	14140235	solute carrier family 5 (neutral amino acid transporters, system A), member 4 (SLC5A4), mRNA /cds=(16,1995)	1	CCTCCTGGCTGTGGTGGTCTTTATTC ACGGCTACTATGCCTGAACTCTAT
4777	db mining	Hs 205736	NM_014260	7657161	HLA class II region expressed gene KE2 (HKE2), mRNA /cds=(0,389)	1	GAAATTAAGCGATACGAATCCCAGCT TCGGGATCTTGAGCGGCAGTCAGA
4778	db mining	Hs.241385	NM_014271	7657231	interleukın 1 receptor accessory protein-	1	TCACAGTGACCACTACAGAGTACTAA GAAGAGAAGATCAAGGGCATGAAA
4779	Table 3A	Hs 211973	NM_014285	7657527	like 1 (IL1RAPL1), mRNA Homo sapiens, Similar to homolog of Yeast RRP4 (ribosomal RNA	1	TCTTAAAGCCAGAAATAATGGAGGAG ATTGTGATGGAAACACGCCAGAGG
					processing 4), 3'-5'-exoribonuclease, clone MGC:2403 IMAGE:2821702,		
4780	db mining	Hs 129751	NM_014339	7657229	mRNA, complete cds /cds=(11,892) interleukin 17 receptor (IL17R), mRNA	1	CTTTTCTTTGTGCAGCGGTCTGGTTA
4781	db mining	Hs.296429	NM_014348	7657468	/cds=(32,2632) similar to rat integral membrane	1	TCGTCTATCCCCAGGGGAATCCAC CCACGTTGGGGTCACTACTGGAGTG
,,,,,,	22		_		glycoprotein POM121 (POM121L1), mRNA /cds=(0,1286)		GATGGAGGCCCTTCACATTTCTGGG
4782	db mining	Hs.21814	NM_014432	7657690	interleukin 20 receptor, alpha (IL20RA), mRNA /cds=(236,1897)	1	TGACCTTTCGTGATTATCCGCAAATG CAAACAGTTTCAGATCTAATGGTT
4783	db mining	Hs.110040	NM_014443	7657227	interleukin 17B (IL17B), mRNA	1	CAGTCATGGAGACCATCGCTGTGGG CTGCACCTGCATCTTCTGAATCACC
4784	db mining	Hs.76698	NM_014445	7657551	/cds=(41,583) mRNA; cDNA DKFZp434L1621 (from	1	AGGTTTCTTCATGAGTCATTCCAAGT
	*				clone DKFZp434L1621); complete cds /cds=(315,515)		TTTCTAGTCCATACCACAGTGCCT
4785	db mining	Hs.326248	NM_014456	7657448	cDNA: FLJ22071 fis, clone HEP11691 /cds=UNKNOWN	1	GAGGTCGTCTTAAACCAGAGAGCTAC TGAATATAAGAACTCTTGCAGTCT
4786	db mining	Hs.278441	NM_014634	7661861	KIAA0015 gene product (KIAA0015), mRNA /cds=(106,1470)	1	GCAGTCTCCCAAGGACCCACCATGC AGAAGTGTCAATAAACCACAAGTTC
4787	db mining	Hs.19056	NM_014824	7662295	KIAA0769 gene product (KIAA0769),	1	GGAGGGAGCCTCTGTGCAGATGTGC
4788	db mining	Hs.11711	NM_014844	7662057	mRNA /cds=(239,2293) mRNA for KIAA0297 gene, partial cds	1	TTTCTTTACAGTGGCTGTAAAAAGT GATGCTTTTAAAGTTGTAGCTTCGTG
4789		Hs.7724	NM_014963	7662409	/cds=(0,3815) KIAA0963 protein (KIAA0963), mRNA	1	CTTTGTACAGTTTTCTTTCTGGTT AATATATGCAATTCTCCCTCCCCAG
	_		-	14149687	/cds=(215,4315)	1	CCCTTCCCTGACCCCTAAGTTATT AATCTGCCAGGCTATGTGACAGTAGG
4790		Hs.31989	NM_015449		(DKFZP586G1722), mRNA	1	AAGGAATGGTTTCCCCTAACAAGC AGCACATACATTGATAGATGGGGTGT
4791	db mining	Hs.30488	NM_015453	14149689	(DKFZP434F091), mRNA		GGGACCAACAAACCAAATTAAAAG
4792	Table 3A	Hs 104640	NM_015898	7705374	HIV-1 inducer of short transcripts binding protein (FBI1), mRNA /cds=(0,1754)	1	CAACGGCCAGGAGAAGCACTTTAAG GACGAGGACGAGGACGAGGACGTGG
4793	db mining	Hs.278428	NM_015902	13435357	progestin induced protein (DD5), mRNA /cds=(33,8432)	1	TTGTGGAAACTGTTTCAGCAAAGGTT CTTGTATAGAGGGAATAGGGAATT
4794	db mining	Hs.279583	NM_016025	7705788		1	GGGGAAGGAAGGCTTCAGACTTGG GGGAAGGGGAGATTATTGCAAATTG
4706	: dh minina	Hs.179817	NM 016026	7705790	IMAGE:3350598, mRNA, complete cds	1	CTATGGAGGAATTGAGGGCAAGCAC
4795					/cds=(40,996)	1	CCAGGACTGATGAGGTCTTAACAAA ACACCAAACAGTTAAGTCCATTCTCT
4796	db mining	Hs.236494	NM_016131		RAB10, member RAS oncogene family (RAB10), mRNA /cds=(90,692)		GGTACTAGCTACAAATTCGGTTTC
4797	db mining	Hs.115515	NM_016184	7705337	C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 6 (CLECSF6),	1	TGCACACAGGGAGAGAACATGAGTC TCTCTTAATTTTTATCTGGTTGCTA
4798	3 Table 3A	Hs 7905	NM_016224	7706705	mRNA /cds=(241,954) SH3 and PX domain-containing protein	1	TTCAATGGAAAATGAGGGGTTTCTCC CCACTGATATTTTACATAGAGTCA
4799	db mining	Hs.66	NM_016232	11136631	SH3PX1 (SH3PX1), mRNA interleukin 1 receptor-like 1 (IL1RL1),	1	GACCACATTGCCAATAAAAGGTCCCT GAATTCCAAATTCTGGAAGCACGT
480) db mining	Hs.180403	NM_016271	7706722	•	1	AGGCCCAAATCACAGAATAAAGGACT AAGAGTGGATTTGCTGACATTCCA
480	1 Table 3A	Hs 3059	NM_016451	7705368	/cds=(221,958) coatomer protein complex, subunit beta	1	GCTGTCCTCAAAGTATATAATGTTTCA TGTACCAAGACCCTTTTCACAGT
480	2 Table 3A	Hs 321245	NM_016530	7706562	(COPB), mRNA /cds=(178,3039) 2 cDNA FLJ10249 fis, clone	1	AAGGGTATTTGGTCTGGTTCATATGG
					HEMBB1000725, highly similar to Rattus norvegicus GTPase Rab8b		TCAAATATTACTGCCTTGGTAGCA
480	3 db mining	Hs.115897	NM_016580	14589925	•	1	GGGGTGCCAGGAAATGCTCTCTGAC
480	4 db mining	Hs.98309	NM_016584	770670		1	CTATCAATAAAGGAAAAGCAGTGAT TGGGAAGGGAAATTTGGGGATTATTT
	·				subunit (SGRF), mRNA /cds=(143,712)		ATCCTCCTGGGGACAGTTTGGGGA

4805	Table 3A	Hs.273385	NM_016592	7706588	guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1 (GNAS1), mRNA	1	GCCACAAAAGTTCCCTCTCACTTTCA GTAAAAATAAATAAAACAGCAGCA
4806	db mining	Hs 241567	NM_016838	1111111	/cds=(68,1252) RNA binding motif, single stranded interacting protein 1 (RBMS1),	1	ATAAGGTGCATAAAACCCTTAAATTC ATCTAGTAGCTGTTCCCCCGAACA
4807	db mining	Hs.272354	NM_017416	11225606	transcript variant MSSP-2, mRNA interleukin 1 receptor accessory protein- like 2 (IL1RAPL2), mRNA	1	GATACCCAGGAATTTCACAGGAACAG TTCTTTGCTGCCTTTATCCTCCAA
4808	db mining	Hs.105956	NM_017436	8392829	globotriaosylceramide/CD77 synthase; Gb3/CD77 synthase; alpha1,4- galactosyltransferase; 4-N- acetylglucosaminyltransferase	1	CCCACCCTGCCGCCCGCATTATAAAC ACAGGAGAATAATCAATAGAATAA
4809	db mining	Hs.283690	NM_017548	8923709	(A14GALT), mRNA /cds=(133,1194) clone H41 unknown mRNA /cds=(323,1099)	1	AAACCAGGCCCTTAAACTTCAGCTAG ACAACCAATATGCTGTGCTTGAAA
4810	db mining	Hs.14512	NM_017583	8923748	DIPB protein (HSA249128), mRNA /cds=(177,1211)	1	CCAGATCCACAGCAGGCACATATCTC TCCAAGGGATGACCAGTTTTATGC
4811	Table 3A	Hs.288036	NM_017646	8923064	tRNA isopentenylpyrophosphate transferase (IPT), mRNA	1	GGACTTGAAGACCAAAGACTTTGAAA TTTGCGAGCTGCTCATGTGTGAGT
4812	Table 3A	Hs.106650	NM_017866	8923499	Homo sapiens, Similar to hypothetical protein FLJ20533, clone MGC:3448 IMAGE:3631570, mRNA, complete cds /cds=(380,865)	1	GAAACGGCATAAAGATGAGAAATGAG CCTATTTGTTAGTGTTCGTGCTTA
4813	Table 3A	Hs.272134	NM_018067	8922367	AL544307 cDNA /clone=CS0DI019YG13-(5-prime)	1	CCTGCCCTCGCCTGGAATCAGTGTTA CTGCATCTGATTAAATGTCTCCAG
4814	Table 3A	Hs 7187	NM_018187	8922606	mRNA for KIAA1757 protein, partial cds /cds=(347,4576)	1	AATGAGTTGTGTTGAAGCCTCCGTCT CCCATCCTTGCCTGTAGCCCGTAG
4815	db mining	Hs.85752	NM_018461	8923923	mRNA for KIAA1541 protein, partial cds /cds=(908,2341)	1	CAGAGTTGACGGACACTGCTCCCAAA AGGTCATTACTCAGAATAAATGTA
4816	db mining	Hs.272373	NM_018724	11036633		1	GAACCTCAGGCAGCAGTTGTGAAGG CTTTGGGGGAACTAGACATTCTTCT
4817	db mining	Hs.110309	NM_018950	9665231		1	GGACTGAGAAGCAAGATATCAATGTA GCAGAATTGCACTTGTGCCTCACG
4818	Table 3A	Hs.225674	NM_018963	11321643	mRNA for WDR9 protein (WDR9 gene), form B /cds=(79,6888)	1	CAATGGTTGCACCTTATGACCTTGAG GGAAAGCCAGTTCATTTAAGAGGA
4819	db mining	Hs.278430	NM_019105	14719824	cytochrome P450, subfamily XXIA (steroid 21-hydroxylase, congenital adrenal hyperplasia), polypeptide 2	1	GGGGAGGGAGGGGTTCGTACAG GAGCAATAAAGGAGAAACTGAGGTAC
4820	db mining	Hs.278430	NM_019105	14719824	(CYP21A2), mRNA /cds=(118,1605) cytochrome P450, subfamily XXIA (steroid 21-hydroxylase, congenital adrenal hyperplasia), polypeptide 2	1	GGGGGAGGGGAGGGGTTCGTACAG GAGCAATAAAGGAGAAACTGAGGTAC
4821	db mining	Hs.159679	NM_019598	9665235	(CYP21A2), mRNA /cds=(118,1605) kallıkrein 12 (KLK12), mRNA /cds=UNKNOWN	1	ACTTCTTGGAACTTTAACTCCTGCCA GCCCTTCTAAGACCCACGAGCGGG
4822	db mining	Hs.247808	NM_019602	9624968		1	TGTTCCATCAGCATCCCCTTTTTGGG CGAGGAGAAAATCGCAACTTTTTC
4823	db mining	Hs.36989	NM_019616	10518502		1	CAGACTATTCCCCACCTGCTTCCCAG CTTCACAATAAACGGCTGCGTCTC
4824	db mining	Hs.36989	NM_019616	10518502	coagulation factor VII (serum prothrombin conversion accelerator)	1	CAGACTATTCCCCACCTGCTTCCCAG CTTCACAATAAACGGCTGCGTCTC
4825	db mining	Hs.289095	NM_020056	11095446	II, DQ alpha 2 (HLA-DQA2), mRNA	1	GTCTGTGGGCCTCATGGGCATTGTG GTGGGCACTGTCTTCATCATCCAAG
4826	db mining	Hs.296552	2 NM_020070	13399297	/cds=(0,767) DNA sequence from clone CTA-246H3 on chromosome 22 Contains the gene for IGLL1 (immunoglobulin lambda-like polypeptide 1, pre-B-cell specific), a pseudogene similar to LRP5 (Lipoprotein Receptor Related Protein.), ESTs, Genomic markers (D22S414, D22S925, D22S926), CA repeats, STSs, GSSs and a CpG island	1	CTCCAAACAGAGCAACAACAAGTACG CGGCCAGCAGCTACCTGAGCCTGA
4827	Table 3A	Hs.94395	NM_020324	10947128		1	CCAAAGTCCTCACTCAGACCAGTGCC CCTCCAGTTCAGTT
4828	db mining	Hs.105509	9 NM_020428	9966908	3 cDNA FLJ14613 fis, clone NT2RP1001113, highly similar to CTL2	1	TGTCTTCCACCCTCAAGAAACTCTTG AACAAGACCAACAAGAAGGCAGCG
4829	literature	Hs 248156	5 NM_020530	1009262	gene /cds=UNKNOWN Oncostatin M (OSM), mRNA /cds=(0,758)	1	GCAGGACCAGACCCTCCAGGAAAGG CAAGAGACTCATGACCAGGGGACAG

Table 8

4830	db mining	Hs 105052	NM_020979	10280625	adaptor protein with pleckstrin homology and src homology 2 domains	1	GGTGGGACACGCCAAGCTCTTCAGT GAAGACACGATGTTATTAAAAGCCT
4831	literature	Hs 1510	NM_021068	10835102	(APS), mRNA /cds=(127,2025) interferon, alpha 4 (IFNA4), mRNA /cds=(140,709)	1	AGCTTGGTGTATACCTTGCAGGCACT AGTCCTTTACAGATGACAATGCTG
4832	db mining	Hs 76293	NM_021103	10863894	thymosin, beta 10 (TMSB10), mRNA /cds=(65,199)	1	AGGAGAGCCACCTGCAAGATGGAC ACGAGCCACAAGCTGCACTGTGAAC
4833	db mining	Hs.3254	NM_021134	10863930	mitochondrial ribosomal protein L23 (MRPL23), mRNA /cds=(54,515)	1	GGGTGCAGCATGGCTCTAACAAGAG AAGAGATCACAGAAACGTGAGGATC
4834	Table 3A	Hs 7137	NM_021188	10863994	clones 23667 and 23775 zinc finger protein (LOC57862), mRNA	1	TACATTCTCCCTTTAGCAACCTGAGT AAGAGACTCTCTGCCACTGGGCTG
4835	db mining	Hs.11090	NM_021201	11139298	high affinity immunoglobulin epsilon receptor beta subunit (CFFM4), mRNA /cds=(146,868)	1	AACTCTTGGCCTCAGAGGAAGGAAAA GCAACTCAACACTCATGGTCAAGT
4836	db mining	Hs 241587	NM_021246	10864054	megakaryocyte-enhanced gene transcript 1 protein (MEGT1), mRNA	1	AGGGAACAAGGGAGCAAGGGAACAA GGGACATCTGAACATCTAATGTGAG
4837	db mining	Hs.110915	NM_021258	10864066	/cds=(3,1151) interleukin 22 receptor (IL22R), mRNA /cds=(23,1747)	1	GTGGCCCCTGGACGGGTACAATAAC ACACTGTACTGATGTCACAACTTTG
4838	db mining	Hs.210546	NM_021798	11141868	interleukin 21 receptor (IL21R), mRNA /cds=(68,1684)	1	CCCCTACCCTGCCCCAATTCAATCCT GCCAATAAATCCTGTCTTATTTGT
4839	Table 3A	Hs 302014	NM_021803	11141874	interleukin 21 (IL21), mRNA /cds=(46,534)	1	ACACGGAAGTGAAGATTCCTGAGGAT CTAACTTGCAGTTGGACACTATGT
4840	db mining	Hs 82887	NM_021959	11386174	protein phosphatase 1, regulatory (inhibitor) subunit 11 (PPP1R11), mRNA /cds=(199,579)	1	CGGTCCTTTTGCCATACACAGTTACA GAGATCAGTCAAATCCATACCACC
4841	db mining	Hs.79372	NM_021976	11415051	retinoid X receptor, beta (RXRB), mRNA /cds=(179,1780)	1	ATACCTGTGAGGACTGGTTGTCTCTC TTCGGTGCCCTTGAGTCTCTGAAT
4842	db mining	Hs.293934	NM_021983	11875206	major histocompatibility complex, class II, DR beta 4 (HLA-DRB4), mRNA /cds=(58.948)	1	TCATCTACTTCAGGAATCAGAAAGGA CACTCTGGACTTCAGCCAACAGGT
4843	Table 3A	Hs.96560	NM_022086	11545798	Homo sapiens, Similar to hypothetical protein FLJ11656, clone MGC:5247, mRNA, complete cds /cds=(149,271)	1	TGCTTCTTGAAATGGATTTAACAACA GCCAGGAGCTTCCTGTCAGTAACC
4844	db mining	Hs.288316	NM_022107	11545816	· · · · · · · · · · · · · · · · · · ·	1	CCCTCCCCACTGCTGCTGAGTCTGTC TGATGTTTTGGTTGTGTGAATAAA
4845	db mining	Hs.99134	NM_022110	11545822		1	AGGAGGAACTGGGGAAGGTGGTCAT TCAGGGGAAGAACCAGGATGCAGGG
4846	Table 3A	Hs.24633	NM_022136	11545870	SAM domain, SH3 domain and nuclear localisation signals, 1 (SAMSN1), mRNA /cds=(82,1203)	1	TGGGAAAGTGTGAGTTAATATTGGAC ACATTTTATCCTGATCCACAGTGG
4847	literature	Hs 247885	NM_022304	1111111		1	TTAAAAGGAGCACATTAAAATTCTCA GAGGACTTGGCAAGGGCCGCACAG
4848	db mining	Hs.271815	NM_022352	11641262		1	GCACACGCCATCTGTGTAACTTCAGG ATCTGTTCTGTTTCACCATGTAAC
4849	db mining	Hs.294030	NM_022447	13937360		1	TTTTTCCCAGCTCGCCACAGAATGGA TCATGAAGACTGACAACTGCAAAA
4850	Table 3A	Hs.15220	NM_022473	11968022	zinc finger protein 106 (ZFP106), mRNA /cds=(335,5986)	1	AAGAGAAATATATGCCCTAGAGCTGC TCCAGCACCCTTGGTTTCTGATTT
4851	db mining	Hs.28921	NM_022482	11968149	DNA sequence from clone RP3-322G13 on chromosome 20p11.21-12.3 Contains the gene for NTF2-related export protein (NXT1), a gene for a novel zinc finger protein with three isoforms, two isoforms for the 3' part of a novel gene, a gene for a novel protein similar to mouse and bovine betasoluble NSF attachment protein (SNAP-beta), a novel gene similar to cystatin, another novel gene similar ro cystatin 8 (CST8) with two isoforms, ESTs, STSs, GSSs and CpG islands /cds=(0,2135)	1	ACAGACAGACTCGATGCCCACACAG CTTCACTCTTTGAGCAACATGGAAT
4852	Table 3A	Hs.161786	NM_022570	13384603	C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 12 (CLECSF12), mRNA /cds=(71,676)	1	GCACGGTGTGTTGCCACGATTTGACC CTCAACTTCTAGCAGTATATCAGT
4853	db mining	Hs 302036	NM_022789	12232484		1	AGTGTAGTTACTAGTCTTTTGACATG GATGATTCTGAGGAGGAAGCTGTT
4854	Table 3A	Hs.302981	NM_024033	13162284		1	TCACTGCCATACAGGTTTTCCAATAC ACAAGTGCTAGAAAATACACACAA
4855	db mining	Hs.267194	NM_024039	13128993		1	TTGCTTGCCCTCCATGTCTTCCTAAA GAGCAGAACTTGGAGTTTCTCCTT
4856	Table 3A	Hs.250723	NM_024104	13129111		1	AGAATGAGCCTGAATGTTGGTGGTTT TTGAAATCCTGACTTGGAGGTAAA

Table 8

					lable o		
4857	db mining	Hs 71746	NM_024663	13375916	hypothetical protein FLJ11583	1	CCTCGGCCCTGACAAACGGGGATCT
4858	db mining	Hs 94810	NM_024681	13489098	(FLJ11583), mRNA /cds=(371,1606) hypothetical protein FLJ12242	1	TTTACCTCACTTTGCACTGATTAAT TGGCTTGGCCTTCTCTTTGGTGATCC
4859	Table 3A	Hs 180799	NM_024835	13376244	(FLJ12242), mRNA /cds=(185,1057) C3HC4-type zinc finger protein (LZK1),	1	CACCCCAGCCATTTGCATTGCTG AATGTTTCTCTTCCTGTGAGACTTACT
4860	db mining	Hs.183171	NM_024838	13376250	mRNA /cds=(47,2140) hypothetical protein FLJ22002	1	AAAGCAACTTAGTGGCAAAAAGT AGTACTTGAGTAGTCTCAATAGGAGT GTATTTGTAGACAGCAGTTTCCCT
4861	db mining	Hs.212839	NM_024879	13376319	(FLJ22002), mRNA /cds=(115,783) mRNA for KIAA1714 protein, partial	1	ACCCTAGATGAGCTGTCCTGCTCCAG TAACATTCTTTTTCTAAAATCATT
4862	db mining	Hs.125034	NM_025085	13376639	cds /cds=(0,3175) mRNA for putative N-acetyltransferase /cds=(208,2808)	1	AACTAGAAGATGTACTTCGACAGCAT CCATTTTACTTCAAGGCAGCAAGA
4863	db mining	Hs.336937	NM_025222	13489105	mRNA; cDNA DKFZp434C0814 (from clone DKFZp434C0814)	1	ATTTGAGTTCCTGTGTGTCCAAAACT GAGGCACCATGTTCTTTGAAAACA
4864	Table 3A	Hs.336937	NM_025222	13489105	mRNA; cDNA DKFZp434C0814 (from clone DKFZp434C0814)	1	ATTTGAGTTCCTGTGTGTCCAAAACT GAGGCACCATGTTCTTTGAAAACA
4865	Table 3A	Hs.336937	NM_025222	13489105	mRNA, cDNA DKFZp434C0814 (from clone DKFZp434C0814)	1	ATTTGAGTTCCTGTGTGTCCAAAACT GAGGCACCATGTTCTTTGAAAACA
4866	db mining	Hs.247879	NM_025260	13376871	G6B protein (G6B), mRNA /cds=(0,725)	1	GTCCACAGCGGACCCTGCTGATGCC TCCACCATCTATGCAGTTGTAGTTT
4867	db mining	Hs.241586	NM_025261	13376873	G6C protein (G6C), mRNA /cds=(54,431)	1	CAGGCTCCCATATGTACCCCATCCCC CATACTCACCTCTTTCCATTTTGA GTTGTATTGGCAAGAGGGAGGGGTG
4868	db mining	Hs.118354	NM_025263	13376877	CAT56 protein (CAT56), mRNA /cds=(264,1025) chromosome 6 open reading frame 31	1	AGAGCTGTTGGAGAACTGAGAATGA GTACCATCCTCACCGTAGTCATCATC
4869 4870	db mining Table 3A	Hs.301920 Hs.196270	NM_030651 NM_030780	13540550	(C6orf31), mRNA /cds=(0,602) folate transporter/carrier (LOC81034),	1	ATCGCCGCGCAGCACCACGAGAAC ATTTATCGTAAACATCCACGAGTGCT
			NM 030934	13569898	mRNA /cds=(128,1075) novel protein similar to archaeal, yeast	1	GTTGCACTACCATCTATTTGTTGT ATCGCTGAATATGTTGATCAGTGATG
4871	db mining	Hs.107149	NIVI_030934	13303636	and worm N2,N2-dimethylguanosine tRNA methyltransferase (C10RF25), mRNA /cds=(194,2395)	•	AGTTGGGCTTAATGCAAAGATCCT
4872	literature	Hs.225946	NM_031200	14043041	chemokine (C-C motif) receptor 9 (CCR9), transcript variant A, mRNA /cds=(157,1266)	1	AGGCTATTTACTTCCATGCTTCTCCTT TTCTTACTCTATAGTGGCAACAT
4873	db mining	Hs.25063	NM_031268	13775167	PRO0461 protein (PRO0461), mRNA /cds=(779,970)	1	GGGACCCCCACCCAGTGAGTCAACA TAGGCTCATGTCAAGTTTGAAAATA
4874	Table 3A	Hs.301183	NM_031419	13899228	molecule possessing ankyrin repeats induced by lipopolysaccharide (MAIL), homolog of mouse (MAIL), mRNA /cds=(48,2204)	1	TGGTGTGATATGAACCAGTCCATTCA CATTGGAAAAACTGATGGTTTTAA
4875	db mining	Hs.283801	NM_032009	14196461	protocadherin gamma subfamily A, 2 (PCDHGA2), transcript variant 1, mRNA /cds=(185,2983)	1	TTTTTATCAGCGCCTCAATCTCTACTC GAAGAAGAAAGAGAAGAAACGTT
4876	Table 3A	Hs.301104	NM_032236	14149943		1	CGCTGTCGCCTTAATCCAAGCCTACG TTTTCACACTTCTAGTAAGCCTCT
4877	Table 3A	Hs.193669	NM_032270	14150008	hypothetical protein DKFZp586J1119 (DKFZp586J1119), mRNA	1	CTGTCGGGCTCTGAAGCGAGCTGGT TTAGTTGTAGAAGATGCTCTGTTTG
4878	db mining	Hs.323662	_	14150117	(MGC14595), mRNA /cds=(101,850)	1	AGAAGCAGAATGCAGAAGGAGAATG AATCCTTTGGATACTTTCAAGGACA
4879	db mining		NM_032335		mRNA for KIAA1823 protein, partial cds /cds=(52,1185)	1	TCTGGCACAGTCCAGCTCACAACAAC ATCAAGAGCAGAATTTGGAGACTT GGGACTTGACTT
4880	db mining	Hs.334639	_	14150222	(LOC51165), mRNA /cds=(215,1489)	1	TTGTATTGAAACAAAGTGGTGTCA AGCCTAAACATGTATACTGTGCATTTT
4881	db mining	Hs.248367	_	14192940	MEGF11 protein (MEGF11), mRNA /cds=(159,3068) zinc finger protein (LOC84524), mRNA	1	ATGGGTGACTTTGAAAGATCTGT AGACTGGTGATTTGGAGTAGTTTACA
4882 4883		Hs.69233 Hs.28514	NM_032494 NM_032597		/cds=(92,967) testes development-related NYD-SP21	1	AGATTCCTCATTCAGAGTGCCCTC TTGCCTCCTCCAATCTGTGTTCTCAA
4884	•	Hs.10056	NM_032811	14249499	(NYD-SP21), mRNA /cds=(76,2115)	1	CTGTGGTTGCCACCTCATTAACTT TGGAACATACCACATGTAGAAAGGTT
4885		Hs 334788	_	14249507	(FLJ14621), mRNA /cds=(525,1307) hypothetical protein FLJ14639	1	GAACTGGTTTTTCAGCTATAATGC TCACTTAGCCTTTCTGGTTTCCCTTC
4886	Table 3A	Hs.11360	NM_032839	14249551	(FLJ14639), mRNA /cds=(273,689) hypothetical protein FLJ14784	1	CTGTGCATTGCCCATTTTCTCATG AGCCAAGAGGTATATCGATGATGAA
4887	db mining	Hs 29206	NM_032895	14249657		1	ATTAGCCACATGTACACTACATTT CTTCACCGCCCTACTTCCACCTCCGC CCAGCCTGTAATGTTTATATAAGC
4888	Table 3A	Hs.154172	2 R64548	836427	(MGC14376), mRNA /cds=(184,255) 602575012F1 cDNA, 5' end /clone=iMAGE:4703258 /clone_end=5'	1	CTTTCAGAGCCAGTTTGTCCAAGGCC AGCATCCCGTCTGGGAGATGCACC
4889	db mining	Hs.159386	S 574639	807023	AL560682 cDNA /clone=CS0DL004YM19-(5-prime)	1	GCCGTATATTACTGTGCGAGAGGGC CGGAGTGGTTACTCGGTATGGACGT
4890	Table 3A	Hs.172762	2 T75153	691915	5 16b3 cDNA	1	AGGCAAAAGCGCCTCACGCATTCTTG TTCCTTGTTTGCTTCTTCGGTTTT
4891	Table 3A	Hs 294092	2 T93822	726995	5 EST375308 cDNA	1	TTAGAAAGAAAAGTCTTTTATTAGTAC TGTGTAGGGAAGGCTAAAGAAAT

Table 8

4892	db mining	Hs 301365	U19885	642583	602462113F1 cDNA, 5' end /clone=IMAGE 4575051 /clone_end=5'	1	ACTGTGCGAAACGTACTGTATTACGA TTTTTGGAGTGGCCGAAGTAGTCC
4893	db mining	Hs 318720	U33547		Homo sapiens, clone MGC:12387	1	CAGACCCTGGTGATGCTGGAAACAG
4093	do mining	113 0 10 120	000047		IMAGE.3933019, mRNA, complete cds		TTCCTCGGAGTGGAGAGGTTTACAC
					/cds=(63,863)		
4894	db mining	Hs.287811	U62824	1575443	mRNA for HLA-C alpha chain	1	GTCCAGCAACAGTGCCCAGGGCTCT GATGAGTCTCTCATCGCTTGTAAAG
		11-047007	1100440	4704069	(Cw*1701) /cds=(0,1118) immunoglobulin heavy chain variable	1	GTGTATTACTGTGCGAGAGCCTTCCG
4895	db mining	Hs 247987	U80113	1791068	region (V4-31) gene, partial cds	•	CCATCCCGGAGTACGTCCAATATG
					/cds=(0,356)		
4896	db mining	Hs.289036	U80180	1791202	immunoglobulin heavy chain variable	1	CCCGTCCCTCAAGAGTCGAGTCACC
	•				region (VH4) mRNA, VH4-59 allele,		ATATCAGTAGACAAGTCCAAGAACC
					partial cds /cds=(0,353)		COTOCA COCTOA COATOA COCTOA
4897	db mining	Hs 247898	U96393	2078365	partial mRNA for Ig lambda light chain variable region, clone MB91 (331 bp)	1	GGCTCCAGGCTCAGGATGAGGCTGA TTATTACTGCTGCTCATATACAAGC
					/cds=(0,330)		TATACTOT GOTO, TATACT CO
4898	db mining	Hs 914	X00457	36405	Homo sapiens, Similar to major	1	CCCTCACTGTCACCTTCCCGAGAATA
.000					histocompatibility complex, class II, DR		CCCTAAGACCAATAAATACTTCAG
					alpha, clone MGC:14114		4
			V00500	00054	IMAGE:4309471, mRNA, complete cds	1	TGAATGACTTCTATCTGGGAATCTTG
4899	db mining	Hs 296552	X03529	33351	DNA sequence from clone CTA-246H3 on chromosome 22 Contains the gene	,	ACGGTGACCTGGAAGGCAGATGGT
					for IGLL1 (immunoglobulin lambda-like		
					polypeptide 1, pre-B-cell specific), a		
					pseudogene similar to LRP5		
					(Lipoprotein Receptor Related Protein.),		
					ESTs, Genomic markers (D22S414, D22S925, D22S926), CA repeats,		
					STSs, GSSs and a CpG island		
4900	literature	Hs.287797	X07979	31441	mRNA for FLJ00043 protein, partial	1	ACCACTGTATGTTTACTTCTCACCATT
,,,,,					cds /cds=(0,4248)		TGAGTTGCCCATCTTGTTTCACA
4901	db mining	Hs.247804	X51887	37616	V108 gene encoding an	1	AGAACAGAGATGATTACACCTACGAA
		11. 04000	VE0007	22045	immunoglobulin kappa orphon CLL-12 transcript of unrearranged	1	GTCTGAGTTATGGTGTGAGTTGGA TTCATCATTGCTTGCTTGCCTTCCTC
4902	db mining	Hs 81220	X58397	33013	immunoglobulin V(H)5 gene	•	CCTCCTGTCCGCTCTCACTCACTC
4903	Table 3A	Hs.275959	X60656	31134	eukaryotic translation elongation factor	1	TGGATGTGGCTGCTTTCAACAAGATC
					1 beta 2 (EEF1B2), mRNA		TAAAATCCATCCTGGATCATGGCA
4904	db mining	Hs.90093	X67643	2244651	• • •	1	TGAAGAACGACCAAAATTATTTGAAG
		11- 000007	V4 4707	0705404	complete cds /cds=(278,2800)	1	AACTAGGGAAACAGATCCAACAGT GTCTACATACTTCCCAGGCACCCAGC
4905	db mining	Hs.300697	Y14737	2700424	mRNA for immunoglobulin lambda heavy chain /cds=(65,1498)	•	ATGGAAATAAAGCACCCACCACTG
4906	db mining	Hs 300697	Y14737	2765424	mRNA for immunoglobulin lambda	1	ATACTTCCCAGGCACCCAGCATGGAA
1000	g				heavy chain /cds=(65,1498)		ATAAAGCACCCACCACTGCCCTGG
4907	db mining	Hs.181125	Y14738	2765426	Homo sapiens, clone MGC:12849	1	CCCAAGGCATCAAGCCCTTCTCCCTG CACTCAATAAACCCTCAATAAATA
					IMAGE:4308973, mRNA, complete cds /cds=(24,725)		CACTGAATAAACCCTCAATAAATA
4908	Table 3A	Hs.283770	Z00008	33142	germline gene for the leader peptide	1	AAGGCAGAGATCTTGACACCTAAGGA
4300	Table 5A	113.200770	200000	00112	and variable region of a kappa		GTCTAGTTTAGGGCTTTGGTTGGA
					immunoglobulin (subgroup V kappa I)		
4909	db mining	Hs.37089	Z00010	33146	germ line pseudogene for	1	GTTGACATTAGAAGCAGGATTCTCTG GTACTCCCTCAGAAAATAGAATGC
					immunoglobulin kappa light chain leader peptide and variable region		GIACICCOTCAGAAATAGAATGC
4910	db mining	Hs.148661	Z00022	33158	gg78c05.x1 cDNA, 3' end	1	TTGGAGCGTTTTTGTGTTTGAGATATT
70.0	42 mm.				/clone=IMAGE 1841288 /clone_end=3'		AGCTCAGGTCAATTCCAAAGAGT
4911	Table 1	Hs.181297	AA010282	1471308	tc35a11.x1 cDNA, 3' end	1	GGTTGTGTCTCTGGTTTCCCCTTTTC
			* * * * * * * * * * * * * * * * * * * *	4570004	/clone=IMAGE:2066588 /clone_end=3'	1	CCCGTGGTTTTAATTTTTAAGAAC ACCATAGCAGACAGGGTCAGATGGA
4912	Table 1	Hs.189468	AA069335	15/6904	tm30a06.x1 cDNA, 3' end /clone=IMAGE:2158066 /clone_end=3'	,	ATATTAGCGGTTTAGGTGAAGAACC
4913	Table 1	Hs 13659	AA115345	1670525	mRNA; cDNA DKFZp586F2423 (from	1	ATCCACATTCTTACCTTTGGTAGTCA
4010	145.5 1				clone DKFZp586F2423)		GGTTTGGCTACTTTGCAGCTCGCC
4914	Table 1	Hs.182278	AA203528	1799239		1	TCTGTTACCACCTCTAAAATATTGGG
					(phosphorylase kinase, delta), clone		GTGGAATAAAGCTGGGTTCTTGCA
					MGC:1447 IMAGE:3504793, mRNA, complete cds /cds=(93,542)		
4915	Table 1	Hs 100651	AA251184	1886149		1	AAGGATGAAGGACTGATGGAGGGCA
7313	Table I	,00001		.0001-70	2 (GOSR2), mRNA /cds=(0,638)		GAGGAACTGGAGGCAGCAGGCACAA
							40470707074744404007777000
4916	Table 1	NA	AA252909	1885512	zr76a03.r1 Soares_NhHMPu_S1 cDNA	1	AGATGTCTGTATAAACAACCTTTGGG TAGCAGGTGGTCAGTTAGGCAGGA
4917	Table 1	Hs.194480	AA258979	1894268	clone IMAGE:669292 5', mRNA EST389427 cDNA	1	TGCTTGTCTTTTAAACACCTTCACAGA
-+317	Table I	110.104400	701200010	.50-1200		•	TATCATTTGCACCTTGCCAAAGG
4918	Table 1	Hs.5241	AA280051	1921589	•	1	GGGTAGGCAGCTTGCACCCAGTTCT
					(FABP1), mRNA /cds=(42,425)		CCTTTATCTCAACTTATTGTCCTGG

Table 8

4919	Table 2	Hs.23128	AA282304	1925220	Homo sapiens, Similar to RIKEN cDNA 4931428D14 gene, clone MGC:15407 IMAGE:4309613, mRNA, complete cds	1	ACTTGGAACAGAAGAACTTCGGCAAC GAGAACACTATCTCAAGCAGAAGA
4020	Table 1	NA	AA282774	1925825	/cds=(123,1151) zt14g01 r1 NCI_CGAP_GCB1 cDNA	1	GCGGTGTCCCTGAGTGAGGGCAAAG
4920 4921	Table 1	Hs 89072	AA283061		clone IMAGE:713136 5', mRNA hypothetical protein MGC4618	1	TTGTAATAACACTTGTTCTCTCCTT ACGGCGTTCTGAAATTTAGCACACTG
	Table 1	Hs 291448			(MGC4618), mRNA /cds=(107,1621) EST388168 cDNA	1	GGAAGTCCACATGGTTCATCTGAA AATGAGATCACAGATGGTGACACTGA
4922	Table 1	113 201770	777250021	1000112			GCGGAAGGATGCAGTACCTCGGAG
4923	Table 1	Hs.211866	AA290993	1938989	wh99f02 x1 cDNA, 3' end /clone=IMAGE:2388891 /clone_end=3'	1	GGCTAGTGGTGTTCAGAGAAATACCA AAACGTGTTTTTATCATTGCTGGT
4924	Table 1	NA	AA319163	1971490	EST21341 Adrenal gland tumor cDNA 5' end, mRNA sequence	1	AGCTGCCTCAGGAGGTTCTTAACATA TAGGAATGTAATTATCAGATTCAA
4925	Table 1	Hs 260238	AA332553	1984806	hypothetical protein FLJ10842 (FLJ10842), mRNA /cds=(39,1307)	1	AGGAAACCAAGCCCTCACAGGAAAG AAAGCCTGATTCAAGAAAACAAAGT
4926	Table 1	Hs 343557	ΔΔ401648	2056830	601500320F1 cDNA, 5' end	1	GCTGGGGCTGAGAGAGGGTCTGGGT
4920					/clone=IMAGE:3902237 /clone_end=5'		TATCTCCTTCTGATCTTCAAAACAA TCATGGACACAAACTTTGGAGTATAA
4927	Table 1	Hs.186674	AA402069	2056860	qf56f06.x1 cDNA, 3' end /clone=IMAGE:1754051 /clone_end=3'	1	GCGACATCCCTTAAGCAACAGGCT
4928	Table 1	Hs.301985	AA412436	2071006	602435787F1 cDNA, 5' end /clone=IMAGE:4553684 /clone_end=5'	1	GCCATTTTCCCTCCAGAAACAAAACC AAGATAATTTATCCTGAACACGGT
4929	Table 1	Hs 9691	AA418765	2080566	cDNA: FLJ23249 fis, clone COL04196	1	TGTTTGTACCACTAGCATTCTTATGTC TGTACTTGAACGTGTAGTTAGCA
4930	Table 1	Hs.24143	AA426506	2106769	/cds=UNKNOWN Wiskott-Aldrich syndrome protein	1	AGGACCATAGGGAAGAGCCAGCCTT
					interacting protein (WASPIP), mRNA /cds=(108,1619)		GCCTTTTCTTATATGATTTTGTTTA
4931	Table 1	Hs.89519	AA429783	2112974	KIAA1046 protein (KIAA1046), mRNA	1	CCTGGGTTGCCTTGTAATGAAAAGGG AGATCGAGCCATTGTACCACCTTA
4932	Table 1	NA	AA457757	2180477	/cds=(577,1782) aa92c03.r1 Stratagene fetal retina 937202 cDNA clone IMAGE:838756 5',	1	AGCTGTTTAATTGAATTGGAATCGTT CCACTTGGAACCCAAGTTTGGAAA
			1440070	0485000	mRNA sequence	1	TCGTTCTACGTTATCTCATCTCCTTGT
4933	Table 1	Hs 82772	AA460876		collagen, type XI, alpha 1 (COL11A1), mRNA /cds=(161,5581)		TTTCAGTGTGCTTCAATAATGCA
4934	Table 1	Hs.13809	AA476568	2204779	mRNA for KIAA1525 protein, partial cds /cds=(0,2922)	1	TGTTTTTGCTTCCTCAGAAACTTTTTA TTGCATCTGCCATCCTTCATTGG
4935	Table 1	NA	AL047171	5936355	DKFZp586F2018_r1 586 (synonym: hute1) cDNA clone DKFZp586F2018 5',	1	TGCACTTACTCATTAGTTTTAGTTTG AACTCTCCTGCGAGGTCTAATGT
4936	Table 1	Hs.77868	AL513780	12777274	mRNA sequence ORF (LOC51035), mRNA /cds=(135,1031)	1	TGGTTCTTCTGATGAGCAAGGGAACA ACACTGAGAATGAGGAGGAGGAGT
4937	Table 2	Hs.30120	AL533737	12797230	cDNA /clone=CS0DF002YH09-(5-	1	AAGCAAGAGATTGTAAACCGGGTACA
					prime)		GATCCAAGAGATGAGAGAGGACCC
4938	Table 1	Hs.285401	AL540399	12870508	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte- macrophage) (CSF2RB), mRNA	1	CGTCTACTGCGGAAAAGTCAGGGGA AACTGCCAAACAAAGGAAAATGCCC
4939	Table 1	NA	AV689330	10291193	AV689330 GKC cDNA clone	1	GTGTTTGACTTCACTGCTGCGAAATG ACTGTCTCCTGGCTAGTAGGATCT
4940	Table 1	Hs.90960	AV710415	10729044	GKCDJE03 5', mRNA sequence 602563938F1 cDNA, 5' end	1	ATGTGGGAGGGCATGCCAGCTATG
4941	Table 1	Hs.237868	AV716565	10813717	/clone=IMAGE:4688769 /clone_end=5' interleukin 7 receptor (IL7R), mRNA	1	AAGGACCTCCTACCTCTGGTTTCTG CCAGCCTTTGCCTCTTCCTTCAATGT
			AV719938		/cds=(22,1401) AV659177 cDNA, 3' end	1	GGTTTCCATGGGAATTTGCTTCAG ACCTTGTAAGTGCCTAAGAAATGAGA
	Table 1				/clone=GLCFUC08 /clone_end=3'		CTACAAGCTCCATTTCAGCAGGAC GCCGAGATCTGCTCAGACTACATGG
4943	Table 2	Hs 21536	AV720984	10818136	yf69a03.s1 cDNA, 3' end /clone=IMAGE:27414 /clone_end=3'	1	CTTCCACTATAGGGTTCTACAGTGT
4944	Table 1	Hs.22003	AV730135	10839556	transporter, GABA), member 1	1	ATGTCTATAAATGGTGTCATAACTAG AGCACGGGCGTTATGTAAGTTTCT
4945	Table 1	Hs 339696	AV755367	10913215	(SLC6A1), mRNA /cds=(234,2033) iribosomal protein S12 (RPS12), mRNA /cds=(80,478)	1	TGAGTCGTATTACAATTCACTGGCCG TCGTTTTACAACGTCGTGACTGGG
4946	Table 1	Hs.301553	AW021037	5874567	/ karyopherin alpha 6 (importin alpha 7) (KPNA6), mRNA /cds=(55,1665)	1	ACATAGGCGAAGAAAACATGGCATTG AGTGTGCTGAGTCCAGACAAATGT
4947	Table 2	NA	AW402007	6920693		1	GTGCAGTCCATCAGATCCAAGCCTGT CTCTTGAGGAACAACCGCGCAGAC
					IMAGE:3054530 5', mRNA sequence		
4948	Table 1	NA	AW499658	7111531	UI-HF-BR0p-ajj-c-07-0-UI r1 NIH_MGC_52 cDNA clone	1	TGGTGGCAAATCTGATTTTTGGAAAC GAGTATTGGAGGACTATAAAACAA
4949	Table 1	NA	AW499828	7111870	IMAGE:3074677 5', mRNA sequence UI-HF-BN0-ake-c-06-0-UI.r1	1	ACATTTCTTGTTGGCACTACAGCAAC
4248) GDIC 1	11/3	, 11, 433020	, , , , , , ,	NIH_MGC_50 cDNA clone	,	CACATACAGTACAGACAACCTCCA
					IMAGE:3076619 5', mRNA sequence		

Table 8

4950	Table 1	Hs 145668	AW500534	7113240	fmfc5 cDNA /clone=CR6-21	1	CCTGGCACATGTTGTCTGGAGTCTGG CACACTGGTTATCAATAGCACATT
4951	Table 1	Hs 120996	AW504293		serine/threonine kinase 17b (apoptosis-inducing) (STK17B), mRNA	1	CTGTGGTCTGTTATATGAGAGAGATC CTTTAACTAGAGCAAAGAGGGAGT
4952	Table 1	Hs.194589	AW945538	8123293	/cds=(261,1379) AV703056 cDNA, 5' end /clone=ADBCMB06 /clone_end=5'	1	TCTCTCACTGTTATCATTTTTGCACAG GTGGTTTCAGCAGCTTGATGCCA
4953	Table 1	NA	BE177661	8656813	RC1-HT0598-020300-011-h02 HT0598 cDNA, mRNA sequence	1	AATCACAGCAGTAACTCCCAGTAGGA AAGATTCTCAAAGGAATAGTTCTT
4954	Table 2	NA	BE253336		601117146F1 NIH_MGC_16 cDNA clone IMAGE:3357826 5', mRNA	1	CCTGGCCTTCAAGAAGTCGTAGTGG CTATTTTCTTTGGACAAAAGTAAGA
4955	Table 1	Hs.343565	BE540808		601510248F1 cDNA, 5' end /clone=IMAGE:3912034 /clone_end=5'	1	ATAGACAGACGGAGGTCCTGATATCC ATGGGCCAACGGCTTGGATTATTC
4956	Table 2	NA	BE569141		601338954F2 NIH_MGC_53 cDNA clone IMAGE 3681180 5', mRNA	1	GATATTGGTAGTAAAGGGGTTACCTG TGAACTTCCAAAATTCCTTGGGGC
4957	Table 1	Hs 271272	BE737348	10151340	DKFZp434K1715_r1 cDNA, 5' end /clone=DKFZp434K1715 /clone_end=5'	1	GGTGGAGAATCAAAACGACCCCGCA AATAAACATGGCGATTTGGCTTGGG
4958	Table 2	Hs 20225	BE792125	10213323	tuftelin-interacting protein (TIP39), mRNA /cds=(263,2776)	1	GATATCAGACAGCATCGTCTCTGCGA GCACAAAGATCTGTTTGCTGAGCA
4959	Table 1	Hs.31314	BE872245	10321021	retinoblastoma-binding protein 7 (RBBP7), mRNA /cds=(287,1564)	1	ACATTTTATAAGGCATTTGTGTTAGCC ACTCAGTCATCTTTGGGTGCTGC
4960	Table 2	NA	BE884898	10333674	601506831F1 NIH_MGC_71 cDNA clone IMAGE:3908551 5', mRNA	1	ATCTGGAGTGGGACCCTTCAAACCAT GTCTGTGCTTATGCGGGAAACAAT
4961	Table 1	Hs.250824	BE887646	10343176	cDNA: FLJ23435 fis, clone HRC12631 /cds=UNKNOWN	1	AATTAACGGCCATCACACCCACGACT GACGGTGATCAAACAAATTCACAG
4962	Table 1	NA	BE896691	10361375	601440131F1 NIH_MGC_72 cDNA clone IMAGE:3925062 5', mRNA	1	GACAGTACTCCTAAGACCCCTGTGTG TGTCCCGATGAGATCATGACTGGG
4963	Table 1	Hs.337986	BF033741	10741453	Homo sapiens, clone MGC:17431 IMAGE:2984883, mRNA, complete cds /cds=(1336,1494)	1	CTGTGATATTTTGGTCATGGGCTGGT CTGGTCGGTTTCCCATTTGTCTGG
4964	Table 1	Hs.268177	BF339088	11285508	phospholipase C, gamma 1 (formerly subtype 148) (PLCG1), mRNA /cds=(76,3948)	1	CTCATAGCATAGCCAGCATTCAGCAC ACACAAACCTACTGCCCACATTTG
4965	Table 1	Hs.2554	BF341359	11287850	sialyltransferase 1 (beta-galactoside alpha-2,6-sialytransferase) (SIAT1), mRNA /cds=(310,1530)	1	CACATTTGAAGGCCAAAGGGAAAACG GGGGAAGCGGAAGGGTTGGATTGG
4966	Table 1	Hs 334825	BF530382	11617745	cDNA FLJ14752 fis, clone NT2RP3003071 /cds=(205,1446)	1	TACGACCACTGAGAAACGGGCCACC CGGCACACGGATCTTGGAACACAAA
4967	Table 1	Hs.79530	BF663116	11937011	M5-14 protein (LOC51300), mRNA /cds=(186,1043)	1	CTCAGTGTAGGGCAGAGAGGTCTAA CACCAACATAAGGTACTAGCAGTGT
4968	Table 1	Hs.46677	BF667621	11941516	PRO2000 protein (PRO2000), mRNA /cds=(650,1738)	1	AGGTTGTGGGGAGTATGTTTGGACCA AAAATTAAAATATTGTGGGAGGGA
4969	Table 1	Hs.27590	BF671020	11944915	histone acetyltransferase (MORF), mRNA /cds=(315,6536)	1	TGATAGCTCACTTAGTTAATTGTTTTG AAGCAAATTTTGGGTTGGATGGG
4970	Table 1	Hs.71331	BF691178	11976586	hypothetical protein MGC5350 (MGC5350), mRNA /cds=(189,995)	1	ACTACTGCTTGCGTACCTCTCCGCTT TCCCTCTCCTTACTATCGACCATA
4971	Table 1	Hs.337534	BF965068	12332283		1	GGTCCGACCAATTAATGACTCCATGA TCGGCCTCGGTTTTCACAAACCTT
4972	Table 1	Hs.334691	BF965438	12332653	hypothetical protein FLJ22427 (FLJ22427), mRNA /cds=(40,2631)	1	AGACAAAGAGAGCATAAATATAGCTC TACTCATGGGTACCATACCA
4973	Table 1	Hs.279681	BF965960	12333175	heterogeneous nuclear ribonucleoprotein H3 (2H9) (HNRPH3),	1	GCAGGTTATCGCAAGATGTCTTAGAG TAGGGTTACGGTTCTCAGTGACAC
4974	Table 1	Hs.5324	BF966028	12333243	transcript variant 2H9, mRNA hypothetical protein (CL25022), mRNA /cds=(157,1047)	1	AAATGGCTTTACCAAACATTGTCAGT ACCTTTACGTGTTAGAAGGCATTT
4975	Table 1	Hs.179902	BF966049	12333264	transporter-like protein (CTL1), mRNA /cds=(0,1964)	1	CTTTCCACAGCAATTGTTTTGTACGA GGGGCCTTACAGCGCGGTCCACTT
4976	Table 1	Hs.109441	BF969847	12337062	cDNA FLJ14235 fis, clone NT2RP4000167 /cds=(82,2172)	1	CCCTACTTGATTAAAGATTGAGGTGG AATTCTAGATGTGGTCATTCGTGT
4977	Table 2	Hs.289721	BF981634	12384446	cDNA: FLJ22193 fis, clone HRC01108 /cds=UNKNOWN	1	ACAGAGAGTCACCCGCGAGTACGAA ACAGGCACATTTTTAGAAACTCACA
4978	Table 1	Hs 125819	BG034799	12428456		1	AGAAATGGTACGGGGAATGTGAATAA CACGAAATGGTATGGGGAAATGTG
4979	Table 1	Hs 34906	BG111773	12605279	601820448F1 cDNA, 5' end /clone=IMAGE:4052578 /clone_end=5'	1	CACAACGGGTCTTAATGACGACGGAA AGATACATCCATCGGTATGAACGC
4980	Table 1	NA	BG118529	12612035	602348464F1 NIH_MGC_90 cDNA clone IMAGE:4443519 5', mRNA	1	TGTTCTTGTGCTGCTGTTATCTATACT ATTTTTGTTCGTGCCTTCTGACT
4981	Table 1	Hs.285729	BG163237	12669951		1	GTCTGGGTGCCAACTTGAGACAGGT GGTCTAGGAAATTGCGGTAAGAGCG
4982	Table 2	Hs 111554	BG164898	12671532	ADP-ribosylation factor-like 7 (ARL7), mRNA /cds=(14,592)	1	CCCCTGGTTTTCTCGTTCTGCCTCCT TTGGACCTGTGTTTGTTTTCTGCT
4983	Table 1	Hs 193482	BG165998	12672701		1	CCCTTAGAATGGTTACTGCCCTTGAA TTAACTTGACACAACTTGGGTTGG
4984	Table 1	Hs 83731	BG179257	12685889		1	AGGCTGATTCTTGGAGATTTAACACC CCACAGGCAATGGGTTTATAGACA

4985	Table 1	Hs.278428	BG286817		progestin induced protein (DD5),	1	TCTCCTTTCAGTTCCTTTGTAGGATTT
4986	Table 1	Hs 173830	BG289048		mRNA /cds=(33,8432) 602383666F1 cDNA, 5' end	1	CTGGGCTTGAAGGATAGTCTTCA ATACTGTGTGATTTGCCCTTGCTGTC
					/clone=IMAGE.4512712 /clone_end=5'		CAACCCTGTTCTTGCTGCCATTTA
4987	Table 1	Hs 129872	BG290577	13047679	sperm associated antigen 9 (SPAG9), mRNA /cds=(110,2410)	1	AGAATGTCCCACTTGCTGTCTCTTAG AGGCTGAGCTTCATTTCTATGAGC
4988	Table 1	Hs 170980	BG387694	13281140	cell cycle progression 2 protein	1	CAACCTCTGGAGAGTGCCTACTGTTA
4989	Table 1	Hs 266175	BG391695	13285143	(CPR2), mRNA /cds=(126,1691) cDNA FLJ20673 fis, clone KAIA4464	1	GAAGCTGAAGGGATGTCAAAGTCA CTTTAAATCTTAGATTGCTCCGCACA
					/cds=(104,1402)		GATAAAGAGAACCAGGATTGGGGC
4990	Table 1	Hs 58643	BG397564	13291012	602438603F1 cDNA, 5' end /clone=IMAGE:4564968 /clone_end=5'	1	GCCTCAGTACAGAGGGGGCTCTGGA AGTGTTTGTTGACTGAATAAACGGA
4991	Table 1	Hs.24054	BG489375	13450885	hypothetical protein GL009 (GL009), mRNA /cds=(77,628)	1	AGGACTTAACGGGAATACCGGGAATAA CTCCAATTACTTCATCTCTAGGGC
4992	Table 1	Hs.29131	BG497765	13459282	nuclear receptor coactivator 2	1	TGCCTAAGAGCAAAGCATCCTCTGCG
4993	Table 2	Hs.172089	BG501063	13/62580	(NCOA2), mRNA /cds=(162,4556) mRNA, cDNA DKFZp586l2022 (from	1	ACAAAAGAAAATTACTGTAGTGGC AAACACACAGGAAAAGGGCAAAGGG
4993	Table 2	HS.172009	BG301003	13402300	clone DKFZp586l2022)	•	GGCACCAGGAGAACCGGGAGACAAA
4994	Table 1	NA	BG501895	13463412	/cds=UNKNOWN 602548201F1 NIH_MGC_61 cDNA	1	GACATGGAGCCCCCGGAAAAGCGGG
7007	Table 1	10.	D0001000	10100112	clone IMAGE:4654344 5', mRNA		TCTGGACACCAAGTCGATGTGTGAG
4995	Table 1	Hs 3280	BG505961	13467478	sequence caspase 6, apoptosis-related cysteine	1	ACAGAATCAGATTTTGCAGGTGTCCA
4000	Tubio ,	1.0 0200		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	protease (CASP6), transcript variant		ACCTATAGTGGCTAAGAATTATGT
4996	Table 1	Hs.279009	BG532345	13523883	alpha, mRNA /cds=(78,959) matrix Gla protein (MGP), mRNA	1	AAACTGTTTGGAGAATTTAAGCACTC
	T.1.1. 4	11- 74047	DO500004	42527040	/cds=(46,357)	1	TCTGATGGGGGACAACTCTATGGA AATAATTGGTCTTTTAAACAAACACG
4997	Table 1	Hs.74647	BG536394	1352/940	T-cell receptor active alpha-chain mRNA from JM cell line, complete cds	•	GAAGTTTGGTGGAATCGGTCATGT
4998	Table 1	NA	BG542394	13534627	/cds=(136,969) 602571761F1 NIH_MGC_77 cDNA	1	TGTGGCGATTAAGAGAGGTGAAGCAT
4990	Table 1	14/5			clone IMAGE:4696046 5', mRNA		AACTGATTTGCAGGATATGGTTTG
4999	Table 1	Hs.83077	BG547627	13546292	interleukin 18 (interferon-gamma- inducing factor) (IL18), mRNA	1	GCAGAACTCTAATTGTACGGGGTCAC AGAGGCGTGATATGGTATCCCAAA
5000	Table 1	Hs.301497	BG566035	13573688	arginine-tRNA-protein transferase 1-1p	1	TGGAGATCCTTCTACTTGGCTGCTGT ATTCATGCATTATGTTGGTTTGAG
					(ATE1) mRNA, alternatively spliced product, partial cds /cds=(0,1544)		ATTCATGCATTATGTTGGTTTGAG
5001	Table 1	Hs.343475	BG566964	13574617	601556208T1 cDNA, 3' end /clone=IMAGE:3826392 /clone_end=3'	1	ATTTGTACCAAATCTTTGGGATTCATT GGCAAATAATTTCAGTGTGGTGT
5002	Table 1	Hs.11050	BG571068	13578721	mRNA; cDNA DKFZp434C0118 (from	1	GGTTTTAGCAGTTCTTTAGCCCGTGG
					clone DKFZp434C0118); partial cds /cds=(0,1644)		TATTTCAGTGTTGGGTTTCATAGC
5003	Table 1	Hs.194110	BG571747	13579400	hypothetical protein PRO2730	1	GGGAGCCATAAGAACGACTCCAAAAA
					(PRO2730), mRNA /cds=(183,596)		GAGCCCCAAAGGAGACAAGGGGG
5004	Table 1	Hs.306155	BG572371	13580024	chorionic somatomammotropin hormone 1 (placental lactogen) (CSH1),	1	TCAGGGTCTTGGATACTCAAGAGAAA GGAGACTTGTGGTTAATGTTTGGA
					transcript variant 2, mRNA		
5005	Table 1	Hs.301756	BG573202	13580855	Homo sapiens, clone MGC:17544 IMAGE:3462146, mRNA, complete cds	1	TCCTTAGCACACGAAAAAGCCCCTTC CCCTGGATTCATGTTTCTTATTTC
					/cds=(256,894)		AAGCAAGTAGACACCTTCATAACTAT
5006	Table 1	Hs.79101	BG575739	13583392	cyclin G1 (CCNG1), mRNA /cds=(187,1074)	ı	GAATGAAGCTGCTGAAGTAGTGTT
5007	Table 1	Hs.172780	BG611117	13662488	602343016F1 cDNA, 5' end /clone=IMAGE:4453466 /clone_end=5'	1	TCCATTAAAGATCGCAAATGTTGAGG TCCTGTAGCCTGAAAACTCTCTGC
5008	Table 1	Hs.5064	BG614405	13665776	602490910F1 cDNA, 5' end	1	CTGATTCAAACAGGTTCCAACGTAAA
5009	Table 1	Hs 86437	BG615272	13666643	/clone=IMAGE:4619835 /clone_end=5' 602411368F1 cDNA, 5' end	1	ACGTTCACACTTCCACCATTTCCT TGATGTTGGTATGCTTGCCCTGTTAC
5010	Table 1	Hs 111911	BG617515	13669996	/clone=IMAGE:4540096 /clone_end=5' 602540462F1 cDNA, 5' end	1	TTATAGACAGTCTTTGTCATAGGC GGTCTTTGTCCCAGTAGAGTTCATAG
3010					/clone=IMAGE:4671519 /clone_end=5'		TCTATTTAGTGTGCATGTTTTTCC
5011	Table 1	Hs 326392	BG618351	13669722	son of sevenless (Drosophila) homolog 1 (SOS1), mRNA /cds=(0,3998)	1	TTGTGTCCAAAAGTGTTAACGAAGAC TACTTAACCCAATGATTGGCGCGA
5012	Table 1	NA	BG622313	13673684	602646981F1 NIH_MGC_79 cDNA clone IMAGE.4768413 5', mRNA	1	ATGCGTGGATATTGAGAACTTAGGTG TCTAATGGGGAGGATTATTGCTGT
5013	Table 1	Hs.173334	BG674441	13905837	ELL-RELATED RNA POLYMERASE II,	1	AAGCATTTCCATTTCAACGAGTTTGT
					ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)		CAGCTTTATTAATGTTGGGCAAAA
5014	Table 1	Hs 343615	BG675211	13906607	602621493F1 cDNA, 5' end	1	AAACCTACCACTTTAAGAAGACAGCG ATGGGTAATTCTTTATTGGCAGGT
5015	Table 1	Hs.250905	BG675766	13907162	/clone=IMAGE:4755166 /clone_end=5' hypothetical protein (LOC51234),	1	ATTCAGCATTAGTTTCTCACATCTTCC
5016	Table 1	NA	BG676788	13908185	mRNA /cds=(0,551) 602623378F1 NCI_CGAP_Skn4 cDNA	1	CCCAGGTATCCCCAACAGAATTA ACACCTCTCTTAGGGCTCCATCAAAC
					clone IMAGE:4748322 5', mRNA		AGAACTTTTAGACTGAGTAACGCT
5017	Table 1	Hs 21812	BG676903	13908300	AL562895 cDNA /clone=CS0DC021YO20-(3-prime)	1	AAGTTTGTGCAGCACATTCCTGAGTG TACGATATTGACCTGTAGCCCAGC

Table 8

5010	Table 2	Hs.171802	DC678827	13010224	RST31551 cDNA	1	ACCATGAACAGTGTGTTGCTTCAGAC
5016	Table 2	ΠS.17 1002	BG016021	13910224	NOTO TOO T CENTA	•	TATTACAAAGAGAATGGGGCAGGT
5019	Table 1	Hs.12396	BG679427	13910824	602302446F1 cDNA, 5' end	1	TTTTTGAAAAGTATGTTTGGTAGAAAT
					/clone=IMAGE:4403866 /clone_end=5'		TAGTTGTATGCCCTCAGGACGGT
5020	Table 1	Hs 4248	BG679662	13911059	vav 2 oncogene (VAV2), mRNA /cds=(5,2641)	1	GAAATTAGTGTGAACATGTGGGAAGC CCGATGCATGTGGGTCAGGGATCT
5021	Table 1	Hs 182937	BG681320	13912717	peptidylprolyl isomerase A (cyclophilin	1	TCCCTGGGTGATACCATTCAATGTCT
					A) (PPIA), mRNA /cds=(44,541)		TAATGTACTTGTGGCTCAGACCTG
5022	Table 1	NA	BG682704	13914101	602629666F1 NCI_CGAP_Skn4 cDNA	1	CAGACAGCACAGCCTGAGGGTAGCA GCAGCCACCCATGTTCAGGTAAGTC
					clone IMAGE 4754273 5', mRNA sequence		GCAGCCACCCATGTTCAGGTAAGTC
5023	Table 2	Hs.250465	BG707615	13984138	mRNA; cDNA DKFZp434E2023 (from	1	GCCATGAGGTGGAGGACGTGGACCT
0020					clone DKFZp434E2023)		GGAGCTGTTCAACATCTCGGTGCAG
5024	Table 1	Hs.235883	BG708357	13985618	602628774F1 cDNA, 5' end	1	TCTGCACCCAAACAATACCTTTTGA
			0.000000	40007000	/clone=IMAGE:4753483 /clone_end=5' mRNA; cDNA DKFZp727G051 (from	1	GATTTCTTATAGGCATTCCTCTCG GAAGCTCTGCCGCAGCGCCAGGCAC
5025	Table 1	Hs.119960	BG709079	13987000	clone DKFZp727G051), partial cds	,	TTCCTACACCACTACTACGTCCACG
5026	Table 1	Hs.87908	BG709315	13987530	• • • •	1	CAGCTCGGACCACCGCCACCTCCCT
					(SRCAP), mRNA /cds=(210,9125)		TTTTATTTACAGATCACCCAGTAAG
5027	Table 1	Hs.10056	BG720359	13999546	hypothetical protein FLJ14621	1	GGTCCCCTCCTGGAGACTCCCTCAC AAAATCTTTCCCCAAGCTGTTCCCC
5028	Table 1	Hs.6986	BG723274	14002461	(FLJ14621), mRNA /cds=(525,1307) glucose transporter pseudogene	1	TGAATGGGCGTTTATCTTAATGACCA
3020	Table	115,0300	DG723274	14002401	/cds=UNKNOWN		GTTATTGACCAAAGTGTACTCAGA
5029	Table 1	Hs.181392	BG740787	14051440	major histocompatibility complex, class	1	AGCCTATTCCTATTCTCTAGCCTATTC
			20212512	44054474	I, E (HLA-E), mRNA /cds=(7,1083)		CTTACCACCTGTAATCTTGACCA
5030	Table 2	Hs.86543	BG743518	140541/1	602495247F1 cDNA, 5' end /clone=IMAGE:4609330 /clone_end=5'	1	GCAATGGGCGGCCAACTATGAACCC TACGTGGTGGTGCCACGAGACTGTC
5031	Table 1	Hs.77202	BG743900	14054553		1	GCCTGGAGCTTGGCTTTGTATCCAAG
					mRNA /cds=(136,2151)		TGTATGGTTGCTTTGTCTAAGAGG
5032	Table 2	Hs.95835	BG747862	14058515	RST8356 cDNA	1	AGGGAGACTCTCAGCCTTCC
5022	Table 1	Hs.204959	BG758569	14069222	hypothetical protein FLJ14886	1	TAAATTCTGTGTCTGTGACTTTCG AGCCTACAAGCCACCTCGCCACTGT
5033	Table 1	FIS.204909	BG136369	14003222	(FLJ14886), mRNA /cds=(111,1169)	•	GAACTTGTCGTCACTCTTGGATGTC
5034	Table 2	Hs.37617	BG760189	14070842	602144947F1 cDNA, 5' end	1	CCTGCTCACAGACCAGGAACTCTACA
					/clone=IMAGE:4308683 /clone_end=5'		AGCTGGACCCTGACCGGCAGTACC
5035	Table 1	Hs.182447	BG766957	14077610	heterogeneous nuclear ribonucleoprotein C (C1/C2) (HNRPC),	1	AGCAGTTCCACAGTGTTTCACACTAC AGGATTTAAATATTTTGCTCCAGA
					transcript variant 1, mRNA		AGOA! IN VIII THE TO TO AGA
5036	Table 2	Hs.301226	BG768471	14079124	•	1	CCTTTATCCACCTGGATTTTAGGGAC
					cds /cds=(0,1755)		AAACACTGAAAACGAATAAGTCCA
5037	Table 2	Hs.301226	BG768471	140/9124	mRNA for KIAA1085 protein, partial cds /cds=(0,1755)	1	CCTTTATCCACCTGGATTTTAGGGAC AAACACTGAAAACGAATAAGTCCA
5038	Table 1	Hs.124675	BG772661	14083314	* * *	1	CAGAGAACGAAAGTCAAGTGCAGCG
					/clone=IMAGE:1323543 /clone_end=3'		AGTTGGGTGGAAGCTGATAGAGCAA
					DNA 6-1/14 A 4005 and in control		COACAAACCATTCACATCACCCACTT
5039	Table 2	Hs.301226	BG775621	14045938	mRNA for KIAA1085 protein, partial cds /cds=(0,1755)	1	CCACAAACCATTCAGATCAGGCACTT GCTGACCCTGGTTCTTAAGGACAC
5040	Table 1	Hs.180450	BG820627	14168214		1	AAGAAACTATGTAGCATAGTGTCTTA
					transcript variant 1, mRNA		ACACCTCAGTAAAGTAAGCTGGCC
5041	Table 1	Hs.1432	BG913430	14293906	•	1	AGCAGGAGACAGCTTCCTGATCTAGA TGTACAATTAGAGTTTAGGTTGGA
5042	Table 1	Hs 247474	BG913498	14293974	(PRKCSH), mRNA /cds=(136,1719) hypothetical protein FLJ21032	1	TGGAACTAGTCACAATTGAAGTTCTT
0042	Tuble 1	710.2 11 17 1	20010.00	,,2000,	(FLJ21032), mRNA /cds=(235,1005)		CATCCAGTAGGTGTTAAACAGTGT
5043	Table 1	Hs.72988	BI086609	14504939	signal transducer and activator of	1	CCCACACAAGTGCGCCACATAAATCT
					transcription 2, 113kD (STAT2), mRNA /cds=(57,2612)		GCGAGACTCCACGACAACACAGGG
5044	Table 1	Hs.288036	BI086741	14505071	tRNA isopentenylpyrophosphate	1	GCAAACAAGTTCTAAAGTTGTGGAGA
					transferase (IPT), mRNA		AAAAGTGATGTGGTCAAGAGTTGA
5045	Table 1	Hs.131887	BI090806	14509136	602415255F1 cDNA, 5' end	1	GCAAGAAAGAGAAACGTAAAAACAGA
5046	Table 1	Hs 287797	BI091791	1//510121	/clone=IMAGE:4523725 /clone_end=5' mRNA for FLJ00043 protein, partial	1	TAGAGATTCTGCCTGTGCTTTGGT GAGAGTTGCTGGTGTAAAATACGTTT
3040	Table I	115 201131	Dioaliai	14010121	cds /cds=(0,4248)	•	GAAATAGTTGATCTACAAAGGCCA
5047	Table 1	Hs.146381	BI092128	14510458	RNA binding motif protein, X	1	GGTTAACGCTTCTGTGAGGACCTTCT
			Blaceroe	44545000	chromosome (RBMX), mRNA		GGCTCTTGAGATACCCTAAATATT
5048	Table 1	Hs.75249	BI092568	14510898	mRNA for KIAA0069 gene, partial cds /cds=(0,680)	1	ACTTTCATTGGTAAATAAGCCTGTCTT CCTATCTGGATTTTTGGTGTGCA
5049	Table 1	Hs.73965	BI093470	14511800	splicing factor, arginine/serine-rich 2	1	CAGTTATTTAAAGGCTGACAACTGCC
					(SFRS2), mRNA /cds=(155,820)		TTCCAGACCCGCGCTGTATTAATA
5050	Table 1	Hs.104679	Bi094249	14512579	Homo sapiens, clone MGC:18216	1	TGGTGGGTACAGAACATTGTCACAG
					IMAGE:4156235, mRNA, complete cds /cds=(2206,2373)		GGATCCTGGAACAGAGGAAGAGTT
5051	Table 1	Hs.7905	BI193299	14648319	SH3 and PX domain-containing protein	1	TTCTGACCTAATAATTACGGGAAATG
					SH3PX1 (SH3PX1), mRNA		GAAAGTCTGGGCCAGCATCAATAA
5052	Table 1	Hs.217493	BI195901	14650921		1	TGGGTCGGCAAAGCTATTATAACTTT GAATGCTAACGGCATGTTTGACCT
					/cds=(49,1068)		OANI GO IAAGGOATGITI GAGGI

5053	Table 1	Hs.33026	BI198202	14653223	mRNA for FLJ00037 protein, partial	1	GCTGTGTCCTTTCTGGCACAATCGGG GATTCCATTCTTTAGACACTGGAA
E0E4	Table 1	Hs 179661	BI222978	1/676/22	cds /cds=(3484,3921) Homo sapiens, tubulin, beta 5, clone	1	TTGACAAAGATGACATCGCCCCAAGA
5054	Table 1	115 17 300 1	B122237 0	14010422	MGC:4029 IMAGE:3617988, mRNA,	•	GCCAAAATAAATGGGAATTGAAA
					complete cds /cds=(1705,3039)		
5055	Table 1	Hs.23158	BI224666	14678110	600943902F1 cDNA, 5' end	1	GTAAAGATCAGAATACCAAGGCCAGC
					/clone=IMAGE:2966352 /clone_end=5'	4	TAAGGCAACGACTCCCTCCCCAAA
5056	Table 1	Hs.218387	H03298	866231	tc88c11.x1 cDNA, 3' end /clone=IMAGE:2073236 /clone_end=3'	1	ATACGGGACAATAAAATCTGCCTTTT GCTCTGGAGGGAGATACTACCTCT
5057	Table 1	Hs.178703	H56344	1004988	AV716627 cDNA, 5' end	1	ATGCTGGTGTCATGTGACATTTGTTG
3037	Table I	113.170700	1100044	1004000	/clone=DCBBCH05 /clone_end=5'	-	AGTCTCGGGCATGTTCACGGTGGG
5058	Table 1	NA	H57221	1010053	yr08e08.r1 Soares fetal liver spleen	1	GGAAATTGTGCCAAAACCATGGAAAA
					1NFLS cDNA clone IMAGE:204710 5',		TATTACTGTGTGTGGGGTGTCTGT
				4050740	mRNA sequence	1	TTTGTGTGTGAAATATAACATTGATTG
5059	Table 1	Hs.74002	H81660	1059749	mRNA for steroid receptor coactivator 1e /cds=(201,4400)	•	AATTGCAGTTACATTTGGTTAGT
5060	Table 1	Hs.5122	N31700	1152099	602293015F1 cDNA, 5' end	1	AACATTCTACATAGCACAGGAGCTTA
0000	700.0				/clone=IMAGE:4387778 /clone_end=5'		AGAGTGGCATTATCTTCTCGCCTT
5061	Table 1	NA	R11456	764191	yf46a09.r1 Soares fetal liver spleen	1	TAAGGTTAGGCAATAACTTAGGGGTA
					1NFLS cDNA clone IMAGE:129880 5'		TATTCTCTTCCTGCATCCCAGTGC
5000	Table 4	11- 000003	DC40E4	025022	similar to gb M87943 HUMAALU4 7f01d11.x1 cDNA, 3' end	1	TAAGGTGTTTGCTGGGGGATGTTGTG
5062	Table 1	Hs.208603	R64054	030933	/clone=IMAGE:3293397 /clone_end=3'	•	TGTATTAGGGGAGTGTTTCCCTTG
5063	Table 1	NA	R85137	943543	yo41c07.r1 Soares adult brain	1	AAAACATTGCCAGACCATTTAGTCCT
					N2b4HB55Y cDNA clone		CTTGGAAGGGCCTCTCCGGTGGGG
					IMAGE:180492 5', mRNA sequence		COCCOATACCACCAAAAACATGG
5064	Table 1	NA	T80378	698887	yd05c01.r1 Soares infant brain 1NIB cDNA clone IMAGE:24693 5', mRNA	1	CGGGGAATAGGAGGAAAAACATGG CATGGAACAAACCAACATAAAAGGT
					sequence		CATGGACAAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAA
5065	Table 1	NA	T80654	703539	yd22a08.r1 Soares fetal liver spleen	1	ACTGGTGTTGGTGCTTTTGTCTGTCA
0000					1NFLS cDNA clone IMAGE:108950 5',		TACCATAGTATTTTCAAAACTTCA
					mRNA sequence		0.0TT0.4.0.4.4.0.4.0.0.0.4.CTT0
5066	Table 1	Hs.44189	W00466	1271875	yz99f01.s1 cDNA, 3' end	1	CCTTGAGAAACACCCATCTCCACTTC CTAGACAAACCAATGAACATTAGT
5067	Table 1	Hs.306117	W16552	1290934	/clone=IMAGE:291193 /clone_end=3' capicua protein (CIC) mRNA, complete	1	AACTGTGAGGCAAATAAAATGCTTCT
5007	Table 1	115.500111	VV 10332	1250504	cds /cds=(40,4866)	•	CAAACTGTGTGGCTCTTATGGGGT
5068	Table 1	Hs.17778	W19201	1295429	neuropilin 2 (NRP2), mRNA	1	CTAAGTCATTGCAGGAACGGGGCTG
					/cds=(0,2780)		TGTTCTCTGCTGGGACAAAACAGGA
5069	Table 1	Hs.340717	W25068	1302933		1	GCCGTTCTTTATAGAACAATTCCTTTC
5070	T-blad	H= 0004	W80882	1201006	/cione=IMAGE:2345280 /cione_end=3' KIAA0196 gene product (KIAA0196),	1	TCTTCTCTTGAATGTGGCAGTCA AGCCTACCTCCCTACCCCAAGCTGTC
5070	Table 1	Hs.8294	VV0U002	1381800	mRNA /cds=(273,3752)	'	TGTTGAGAGCAGTGCTGACCCCAG
5071	Table 3A	Hs.133543	AA251316	1886279	EST378950 cDNA	-1	TTTCATAAACCCACTCCTTCCTCTTCA
							CCCACTTGCAATCCGCATGCTTC
5072	Table 3A	Hs.96487	AA524555	2265483	7q23f06.x1 cDNA, 3' end	-1	CAAGTTGGTTTAGTTATGTAACAACC TGACATGATGGAGGAAAACAACCT
5073	Table 3A	NA	AA628833	2541220	/clone=IMAGE:3699226 /clone_end=3' af37g04.s1	-1	GACTCGTTACGCCGTAGTTTGTCCTA
3073	Table 3A	N/A	AA020033	2041220	Soares total fetus_Nb2HF8_9w cDNA	•	TCTTGTTTATCAAATGAATTTCGT
					clone IMAGE:1033878 3', mRNA		
5074	db mining	NA	AA701193	2704358		-1	AGCCGCCCAGCTACTTAATCCCTCAG
					Soares_fetal_liver_spleen_1NFLS_S1		TAACATCTATCTAAATCTCCCATG
					cDNA clone IMAGE:461188 3' similar to gb:M11124 HLA C		
5075	Table 3A	Hs.307486	AA729508	2750867		-1	TGGCCTGTGCTTTTACCACACCGTCA
-5,5					/clone=IMAGE:1266028		AACCCTTGATCATTTCTGTAAACA
5076	Table 3A	Hs.104157	AA765569	2816807	EST380899 cDNA	-1	ACATTCTCATAGTCCAGGGGCTCAAC
				0004040	QV1-GN0320-051200-552-b08 cDNA	-1	AACTTTGGCCTTTTCCAGCACCAC TCAGCAGTTGTGCCTTTTCTCACAGA
5077	db mining	H\$.220649	AA774984	2834318	QV 1-GN0320-03 1200-332-000 CDNA	- 1	TCCAGCCGTCCTTCTCGCTGTCAC
5078	db mining	Hs.192078	AA884466	2993996	te30h04.x1 cDNA, 3' end	-1	TGCAAGCAATAAAATCTTGCTTTAATC
	•				/clone=IMAGE:2087479 /clone_end=3'		AGTAACCACTGTCTGACAGGACA
5079	db mining	Hs.194249	AA907080	3042540	HOA43-1-G6 R cDNA	-1	GGTCGTAGAGAAGACAGCAAGGGAG GGGATAAAACCCAGGAAGGACTTAA
							GGGATAAACCCAGGAAGGACTTAA
5080	Table 3A	Hs.143254	AA961072	3127626	EST388440 cDNA	-1	GGCTCACGATGACAACCGCCTACGG
3000	Table of t		, , , , , , , , , , , , , , , , , , , ,	2.2.020			AAAAACTCTAATTCCTAAACATCTA
5081	db mining	Hs 163271	AF343666	13591717	translocation associated fusion protein	-1	GACAAGCCAGGTCAGCCCAGATTGC
					IRTA1/IGA1 (IRTA1/IGHA1) mRNA,		CAAAGCAGCACTTGCCTACACCAGC
.5000	Toble 24	Un 46470	AI01910E	3232624	complete cds /cds=(136,402) EST386846 cDNA	-1	GGTTCCCTTGAAGCAGTGCCAACCTA
5082	: Table 3A	Hs 46476	AI018105	3232024	E01000040 0DIW	- 1	AATCTACCTCAGGTAAGTAGTTAG
5083	Table 3A	Hs.238954	AI031624	3249836	602637935F1 cDNA, 5' end	-1	GCTGACAGTATGGAGGCTAAAGGTG
					/clone=IMAGE:4765448 /clone_end=5'		TGGAGGAACCAGGAGGAGATGAGTA
F00 *	alla professor :	Uz 40000	A IO 50754	2202745	ov79o01 v1 cDNA 3' and	-1	CAAGTGTGCCGGGCAAGTTTGGGAA
5084	db mining	ns 133261	AI052754	<i>აა</i> ს8/45	oy78e01 x1 cDNA, 3' end /clone=IMAGE:1671960 /clone_end=3'	-1	GGTGAAGCAATCTGTGACTTAAATA

Table 8

5085	db mining	Hs 292803	AI056470		oy77d03.x1 cDNA, 3' end /clone=IMAGE.1671845 /clone_end=3'	-1	GAGCTACTCAAGGGGAAAAAAGGGC ATATAGTATGCTCTGGTAGTAAAAGT
5086	db mining	Hs 6733	AI057025	3330814	phosphoinositide-specific phospholipase C PLC-epsilon mRNA, complete cds /cds=(235,7146)	-1	GCTCAAGATCACCTCTTTGTCATCTT GAACAATGTTTTTCTCTTCTAGGT
5087	db mining	Hs 133930	A1073993	3400637	oy66d03 x1 cDNA, 3' end /clone=IMAGE:1670789 /clone_end=3'	-1	TGGTGATAATAGAGATTGTTTCTGCC CTGGGGGTAGTTCAAGGATAACAC
5088	db mining	Hs.133949	AI074528	3401172	oy79d05.x1 cDNA, 3' end /clone=IMAGE:1672041 /clone_end=3'	-1	CTTCAGGTTTGGCCCAGCCCCTCCTT GAAGACTCCTTCCATCCAGTCAAG
5089	db mining	Hs 134018	Al076071	3405249	oy80b11.x1 cDNA, 3' end /clone=IMAGE:1672125 /clone_end=3'	-1	CCCAAGTGAAGTCAAAGTTACTGTGT GGTTGATAGGGAACATGGCTGGAT
5090	db mining	NA	AI081253	3418045	oy67c02 x1 NCI_CGAP_CLL1 cDNA clone IMAGE:1670882 3' similar to qb:X64707 BREAST BASIC	-1	ACCCGCAGACCAGATGGTTGAAAGG AAAAATTAAAGCCTTCTTGGGGATT
5091	db mining	Hs.134590	Al081258	3418050	oy67c11 x1 cDNA, 3' end /clone=IMAGE:1670900 /clone_end=3'	-1	GGAGTTAGATCAACCTTATGGGGAAG GGAAAGGCAGGGCTTGTGACAATT
5092	Table 3A	Hs.105621	A1084553	3422976	HNC29-1-B1 R cDNA	-1	GATGGCTGCTTGGTTGCTAAACCCAG ACAGGGTCCTTCCAGTGCATCTGC
5093	db mining	Hs.230775	AI085588	3424011	oy68d10.x1 cDNA, 3' end /clone=IMAGE:1670995 /clone_end=3'	-1	CATTTGTGGGTGGAGGGTTTTGAATG TCCTCTTTCCATGTCAGGCAAAGG
5094	db mining	Hs.146591	AI086023	3424446	oy70f10.x1 cDNA, 3' end /clone=IMAGE:1671211 /clone_end=3'	-1	TTCTATGAAGGTTTCCCTGGACAAGA AACTGCCAGAGAGCCCTTAGCTCA
5095	Table 3A	Hs.23158	Al097125	3446707	600943902F1 cDNA, 5' end /clone=IMAGE:2966352 /clone_end=5'	-1	TGCTGAATGTACCTGAGTGTATGTAT TTAAAAGGACTCACATGGGCATCA
5096	db mining	Hs.150708	Al122689	3538455	oy79f03.x1 cDNA, 3' end /clone=IMAGE:1672061 /clone_end=3'	-1	TCTCAACCCTAATATTCATTGTTCCAT GAGCATTGTCAGGTTTTGGATGG
5097	db mining	Hs.326995	AI144314	3666123	oy84f01.x1 cDNA, 3' end /clone=IMAGE:1672537 /clone_end=3'	-1	ACAAGTGGAAGAGAGAAGA ATGGGTCAGGGAGATGCAAGGATGG
5098	db mining	NA	Al144317	3666126	oy84f04.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:1672543 3' similar to gb:X64707 BREAST BASIC	-1	TCCTTAGGGAAAAGAAGATTTTCAAA CCCTTCGTTAGTTTCGGTAGGGCC
5099	db mining	NA	Al187859	3739068		-1	ACGCAATTTGTTCACATACATACACAT GCAAATCCCAAAAGAAGGTTTTA
5100	Table 3A	Hs.121210	Al204611	3757217		-1	CCCAGCCCTCTATGTACCCGTGTCCC AGCCAGCAATAAATGCCATCTTGG
5101	db mining	Hs.144814	Al220630	3802833	RST44972 cDNA	-1	AGCCTGGAATTCTAAGCAGCAGTTTC ACAATCTGTAATTGCACGTTTCTG
5102	db mining	Hs.126580	Al222355	3804558	602691805F1 cDNA, 5' end /clone=IMAGE:4824264 /clone_end=5'	-1	TGGTTACTCATGTCCTCAAAGACGAC TCATGATGCTGGATATGAAGAACT
5103	Table 3A	Hs.36475	Al243620	3839017	EST372075 cDNA	-1	AGGCAAAAGTCATTTCTTCCCTATATT TTGTCATGCTTATCTCCTGTCTC
5104	db mining	NA	Al263168	3871371	qh49e10.x1 Soares_NFL_T_GBC_S1 cDNA clone IMAGE 1848042 3', mRNA sequence	-1	GTATGAAGGCAAGAAAATTTCAGGGG AAAACAAGTGGTTATTTTCTGGCC
5105	Table 3A	Hs.158501	Al290845	3933619		-1	GATACCCTCTTCCTAAGACTCATCGC GTCTCTTCCAGCCTCCTCGCCCCA
5106	db mining	Hs.150175	Al301070	3960416	qo16d04.x1 cDNA, 3' end /clone=IMAGE:1908679 /clone_end=3'	-1	TCTGTATGCTGTGGTCTCATCAGGAA CCTTTCTCTGCACTGCA
5107	db mining	NA	Al356349	4107970	qz26d12.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2028023 3' similar to	-1	AGAGCTGGTTCCAGAAGGTTCGGAT GAGTCCTGAATGTTTATGTAGGGCA
5108	db mining	Hs.157560	Al356388	4108009	contains MER7.b2 MER7 repetitive el qz26e07.x1 cDNA, 3' end	-1	TCCTTAGTCTCCTTCAATTTCCACACA
5109	db mining	NA	Al356470	4108091	/clone=IMAGE:2028036 /clone_end=3' qz27b11.x1 NCI_CGAP_CLL1 cDNA	-1	CTGAACATGACATTTTACCCTTT TTTTCTGTTTTCTGTTTTAAGAAAATC
5110	db mining	Hs.157808	Al361701	4113322	clone IMAGE:2028093 3', mRNA qz18e09.x1 cDNA, 3' end	-1	TGGAACCGCAAGGCCGTCCCTTT CCAAAGCCTTTGTTGTTTGGTGGCGA
5111	db mining	Hs.327396	Al361729	4113350	/clone=IMAGE:2021896 /clone_end=3' qz24a08.x1 cDNA, 3' end	-1	TGCCGCCCCAGGATTCTTTAAGAA
5112	db mining	Hs 157811	Al361733	4113354	/clone=IMAGE:2027798 /clone_end=3' qz24b02.x1 cDNA, 3' end	-1	TAAAAAGAAATGAGTGTGGACATG CCTACGATATCCTTTTCAAATAGGGG
5113	db mining	Hs 270193	Al361773	4113394		-1	TGGGTCCAGCCCCCTTGTGCCCTG CTGGGAGAAAGGTACTTTGGGTTAGT
5114	db mining	NA	Al364677	4124366		-1	GGTAGGGATAGGGATGAACGGGAA AGCATAATCCTAATGAGGAACTTTGT
5115	db mining	Hs 327411	Al364926	4124615	clone IMAGE.2020673 3', mRNA qz23b07.x1 cDNA, 3' end	-1	TTTTGGAACCCTTAGCCCTGTGCAAA
5116	db mining	Hs.157279	Al364931	4124620	/clone=IMAGE:2027701 /clone_end=3' qz23c04.x1 cDNA, 3' end /clone=IMAGE:2027718 /clone_end=3'	-1	TCAAAGGATGTGAGGGGAAAAAGG ATTTCCCCTACGGATGGGACCAAGAA ACTGATGAGAACGGCCAAGTGTTT
5117	db mining	Hs 157280	Al364944	4124633	/clone=IMAGE:2027718 /clone_end=3' qz23d11.x1 cDNA, 3' end /clone=IMAGE:2027733 /clone_end=3'	-1	AACACCCGAAACCGTCTTCTGTGGCA TTTGTCAGTTGAAAAAGAACACCT
5118	db mining	Hs 283433	Al365377	4125066	/clone=IMAGE:2027733 /clone_end=3' qz08a02.x1 cDNA, 3' end /clone=IMAGE:2020874 /clone_end=3'	-1	CCAGTGGCTGGGATGGTGACAGTGA CATCCACAGTAAACAGATGAAATGT

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5119	db mining	Hs 304043	Al365414	4125103	7e97a03.x1 cDNA, 3' end /clone=IMAGE.3293068 /clone_end=3'	-1	GGATTTCAGAAACAGTTGCAGATATT ATTGATTAGCTAGTTGGCAGTGGG
5120	db mining	Hs 80426	Al365418	4125107	brain and reproductive organ- expressed (TNFRSF1A modulator)	-1	CTTGTTCCCAGGCCAGCCCCACACA GTAGGCAGTCATTAAAGTTTGGTGA
5121	db mining	Hs.157310	Al365460	4125149		-1	TTTTCCTTCAACTCTTGCGACTTTCTT GGTCTGCCTGTGTGGTTTTAATA
5122	db mining	Hs.157311	Al365473	4125162	/clone=IMAGE:2021026 /clone_end=3' qz09f09.x1 cDNA, 3' end	-1	TTCTGTTAATAGCAAACATTGCCTTTG AGTGCTACTACTAAACCTGAGGC
5123	db mining	NA	Al367021	4136766	/clone=IMAGE:2021033 /clone_end=3' qz23h06.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2027771 3' similar to	-1	TCTAGGGATCTGCCCGGCTCAAAATC CCAGGCCGTTAGGCTAAGTTGTTC
5124	db mining	Hs.296281	Al368512	4147265	contains MSR1.t1 MSR1 repetitive el interleukin enhancer binding factor 1 (ILF1), mRNA /cds=(197,2164)	-1	CGGACAAGGGCTGGCAGGTAAATGC CTTCAGTTTGTTGTTAAATAGAGGC
5125	db mining	Hs.327453	Al378055	4187908	tc79e11.x1 cDNA, 3' end /clone=IMAGE:2072396 /clone_end=3'	-1	AGCCTTAGCCCCTTTAAAGCACTTAA AGTTACTACTTCCAAATGTGATTT
5126	db mining	NA	Al378091	4187944	tc80a09.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2072440 3', mRNA	-1	ACCTTGTCATTAACAGCTCACTTTGAT TGAACATCTACTCTGTGGCGGTT
5127	db mining	Hs.158876	Al378095	4187948	tc80b01.x1 cDNA, 3' end /clone=IMAGE:2072425 /clone_end=3'	-1	TGGAACGGCTATTTGCCGGTTTAAAA ACCAAAAACCCCGGTTTTTCCAAA
5128	db mining	Hs.283438	Ai378109	4187962	7f19b03.x1 cDNA, 3' end /clone=IMAGE:3295085 /clone_end=3'	-1	GTAAGGCAGACGAGAGAGGCGGAGG TCTCACAGTGAACCACAGGATCTGG
5129	db mining	Hs.158956	Al380117	4189970	tf98b07 x1 cDNA, 3' end /clone=IMAGE:2107285 /clone_end=3'	-1	TTGCCTGCCATGCCCTTATAAGTGCC CTTTAATGTCATAGCATGTAAAGG
5130	db mining	Hs.158967	Al380252	4190105	tf94d05.x1 cDNA, 3' end /clone=IMAGE:2106921 /clone_end=3'	-1	GGGTTTGTGTCCCCATTTAGAATCTG ATGAAACGGTGGGCTTTCCTTCTT
5131	db mining	Hs.158969	Al380283	4190136	tf99g02.x1 cDNA, 3' end /clone=IMAGE:2107442 /clone_end=3'	-1	CAGAGCCTCCAGAATTATGTGAACTT GTCTCAAAACATTCTCTAAATGGC
5132	db mining	Hs 158971	Al380329	4190182	tf94g05.x1 cDNA, 3' end /clone=IMAGE:2106968 /clone_end=3'	-1	GAAAGGACCCGAGGGTTTGTATTTAA AAAGCCTCCCCTGGGCCTCAAAAA
5133	db mining	Hs.309122	Al380449	4190302	tg02f12.x1 cDNA, 3' end /clone=IMAGE:2107631 /clone_end=3'	-1	GCCAACTGCTTAGAAGCCCAACACAA CCCATCTGGTCTCTTGAATAAAGG
5134	db mining	Hs.302447	Al380514	4190367	tg01e02 x1 cDNA, 3' end /clone=IMAGE:2107514 /clone_end=3'	-1	TGTCTAGAACAGACTGAGAGTGACAC GCATATTTGATTGTGAGGACAGTT
5135	db mining	Hs.231261	Al380594	4190447	tf95h06.x1 cDNA, 3' end /clone=IMAGE:2107067 /clone_end=3'	-1	GTTTGGCCCCCAAAGTGTTTAGGAGA GCTTTCTCCCTAGATCGCCCTGTG
5136	db mining	Hs.158988	Al380719	4190572	tg03h03.x1 cDNA, 3' end /clone=IMAGE:2107733 /clone_end=3'	-1	CCAGGAGGGCCAGAATTTGAAAATTC CTTGGGGTTGTTCTTTTTCCAAAA
5137	db mining	Hs.159000	Al381037	4190890	tg20h01.x1 cDNA, 3' end /clone=IMAGE:2109361 /clone_end=3'	-1	CAGTTTGAGCAAAAGCCTTTGAAATC CAAGACTTTTCCCCTTGGGGTGCT
5138	db mining	Hs 159025	Al381601	4194382	td05g03.x1 cDNA, 3' end /clone=IMAGE:2074804 /clone_end=3'	-1	CCAGTTGGTTTTTGGACTCCAAAGCC CAGGACCCTTCCAAATCCTGCTTG
5139	db mining	NA	Al382670	4195451	qz05f05.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2020641 3', mRNA	-1	AGGCCTTTTTCAAAGAAAAACCCCTT TGGGGAAAAAGGGAAAGGGCAAAA
5140	db mining	Hs.192078	Al383475	4196256		-1	TTTTGCTTGCTGTCGGGAGAATAAAG CAGGGAACCTTTATGTAGTGAAAA
5141	db mining	Hs.327467	Al383510	4196291	td03c10.x1 cDNA, 3' end /clone=IMAGE:2074578 /clone_end=3'	-1	GGGTTTGGCCCGATTATATTAGGTTG GGTGGGGGAAAAATTTTATGGGGG
5142	db mining	Hs.105125	Al383774	4196555	6 602639120F1 cDNA, 5' end /clone=IMAGE:4762804 /clone_end=5'	-1	GTGAACTGGATCTTGAGGCCGTGCT GGAAACCGGAAGGTACACTGCTTGG
5143	db mining	NA	Al383803	4196584	tc98f01.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2074201 3' similar to qb:J03626 URIDINE 5'-	-1	CAAAACTTGAGATAAGGTTAAAACTG TGCCCAGAGGAAAACTGGTAGTCT
5144	db mining	NA	Al384024	4196805	td05b02.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2074731 3' similar to contains Alu repetitive element;con	-1	TGCAGCCAGATTGTTCCAAGGTTGCC AATTACCTAGTGGGTAAATTTCCC
5145	Table 3A	Hs 107622	Al391443	4217447	7 tf96e06.x1 cDNA, 3' end /clone=IMAGE:2107138 /clone_end=3'	-1	AGTGCTTATCATGAAATGTGCTTCAC TGGTTCAGCTCTGTTGTTTCCTTA
5146	db mining	Hs.160956	Al391451	4217455	5 tf96f03.x1 cDNA, 3' end /clone=IMAGE:2107133 /clone_end=3'	-1	GTTATTTGGGAGACAAATGGACGGG CAGGAAGATTGATGCTCCGCTGTTC
5147	Table 3A	Hs.160959	Al391500	4217504	602086202F1 cDNA, 5' end /clone=IMAGE:4250424 /clone_end=5'	-1	AGCTGAAGGGCTTCAACTTTGCTTGG ATTTTTAAATATTTTCCTTGCATA
5148	Table 3A	NA	Al392705	4222252	tg23b03.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2109581 3', mRNA	-1	TGCAGGCTCATTGTGCTCCTTCTTCT GGGTTTCAATTGGATTTCAGTCCT
5149	db mining	Hs.160978	Al392745	4222292	2 tg08b05.x1 cDNA, 3' end /clone=IMAGE:2108145 /clone_end=3'	-1	ATCTCTAATGAAGCCTAGGATCAGAT TTGTGGCATACCAACAGCACATGT
5150	db mining	Hs.160981	Al392793	4222340	tg04g01 x1 cDNA, 3' end /clone=IMAGE.2107824 /clone_end=3'	-1	CCACAAGGGTTAGTTTGGGCCTTAAA ACTGCCAAGGAGTTTCCAAGGATT
5151	db mining	Hs.160982	2 Al392799	4222346	6 tg04g09 x1 cDNA, 3' end /clone=IMAGE:2107840 /clone_end=3'	-1	CGCTTTATTCCCACGAAACCTAGGAC AGTGGCCATCAAACCGAGCGCTTT
5152	Table 3A	Hs.189031	Al392805		2 tg04h03.x1 cDNA, 3' end /clone=IMAGE:2107829 /clone_end=3'	-1	CCTGTTGTGGCTGGCTGCATAATAAT TTCCAGGAGGCTTTCGGAAATGTT
5153	Table 3A	Hs 221014	Al392814	422236	1 MR2-HT1162-180101-007-d08 cDNA	-1	CGGTCCAGTCGGCTGCTTCCATTCCC TGAAGAAGAGGCCCTAAAGTTAAA

Table 8

5154	Table 3A	Hs 168287	Al392830		tg10b09 x1 cDNA, 3' end	-1	TTAGCCTCAAAGGGGTGGGGAAAAG CCCATACCTCCTGGGCCAGTCCTAG
5155	db mining	Hs 276774	Al392845		/clone=IMAGE ⁻ 2108345 /clone_end=3' tg10d01.x1 cDNA, 3' end	-1	CCTTAGAATTAAGTTGAATTTTCCTGC
	-				/clone=IMAGE:2108353 /clone_end=3' tg05d07 x1 cDNA, 3' end	-1	CTTGCTAAGCAAGACTTCCTGCA CAGCCACGGCCCCTCGCGTCTTCGC
5156	Table 3A	Hs 159655	A1392093		/clone=IMAGE:2107885 /clone_end=3'		GGCACGTTAATTAAATGCGGAAAAC
5157	db mining	Hs 327469	Al392990		tg22f02.x1 cDNA, 3' end /clone=IMAGE.2109531 /clone_end=3'	-1	TTTTACCCAAATTTTAAAGGCCGGAT AAAAGGGTTTTTGTTTGGAAGGGA
5158	db mining	Hs 230848	Al392999	4222546	tg22f11 x1 cDNA, 3' end	-1	GGAGGTTAGGGCCTGAAGCTCAAAG CTCCCCCTTTTTAATAGTTTTTCCC
5159	db mining	NA	Al393006		/clone=IMAGE:2109549 /clone_end=3' tg22g06.x1 cDNA, 3' end	-1	CCCCTTTGGGCCCCCCGGGTTTTCC
E160	dh minina	Hs.228891	Al393017		/clone=IMAGE:2109562 /clone_end=3' tg22h05.x1 cDNA, 3' end	-1	CTTTTTGGTTTCGGGTTGTTTTTTG ACGTGGGCCTTTGGACCCCTTATAAG
5160	db mining				/clone=IMAGE 2109561 /clone_end=3'		ATGGTCATAAGACCCCAAAACTGA ATGGCTATAAGGCCAAAAAAGTTTGG
5161	db mining	Hs.159706	Al393038		tg25b07.x1 cDNA, 3' end /clone=IMAGE:2109781 /clone_end=3'	-1	CGGCATGGGGGATTTTTTGCTCTT
5162	Table 3A	Hs.160273	Al393041		tg25b10.x1 cDNA, 3' end /clone=IMAGE:2109787 /clone_end=3'	-1	AGAGACGGCCACCTGAGACCAATTA GAATATCCACACCAGTGGAAGAGAG
5163	Table 3A	Hs.126265	Al393205		Homo sapiens, Similar to RIKEN cDNA	-1	GCCTCCCCAACCCCTGGCCTCAATTT CCCTTTCTATAAAATGGAAGATGT
					0610006H10 gene, clone MGC:9740 IMAGE:3853707, mRNA, complete cds		CCCTTCIAIAAATGGAGATGT
E464	dh mining	Hs.159718	A1303217	4222764	/cds=(171,1130) tg14c09.x1 cDNA, 3' end	-1	ACACCCAGCCAAAGAAAAGCATACCT
5164	db mining				/clone=IMAGE:2108752 /clone_end=3'		GAATCCAAGAGAGTATTTACACTG CTCAGAGAAGAACAGTGTAGAAACCC
5165	db mining	Hs.240635	Al393223	4222770	tg14d03.x1 cDNA, 3' end /clone=IMAGE.2108741 /clone_end=3'	-1	GCGCTGTGTGAAGCGAGGTTGGGC
5166	Table 3A	Hs.160401	Al393906	4223453	tg05f08.x1 cDNA, 3' end /clone=IMAGE:2107911 /clone_end=3'	-1	ACTITCCATTGTTGAGCTGGGGAGTT GGATTTTGTCCATTTGTTTTTATG
5167	Table 3A	Hs.340891	Al393908	4223455	wi30d11.x1 cDNA, 3' end	-1	TCCCAGTGATGATTCGCTCCCTTTGT
5168	Table 3A	Hs.274851	Al393960	4223507	/clone=IMAGE:2391765 /clone_end=3' tg11d04.x1 cDNA, 3' end	-1	TAATTACTCAGTGTTTCTTGTTTT TGCGTGCTGCTAATACTTAGGTACCC
				4223509	/clone=IMAGE:2108455 /clone_end=3' tg11d08.x1 cDNA, 3' end	-1	ATAATAGGTCTTTACACTCAGTTT CCTGACCTTGAGGCATTTTTGATTGT
5169	Table 3A	Hs.160405			/clone=IMAGE:2108463 /clone_end=3'		GCAGTTACCTAGGGTATGCTTGTG
5170	Table 3A	Hs 76239	Al393970	4223517	hypothetical protein FLJ20608 (FLJ20608), mRNA /cds=(81,680)	-1	GAGGACTGGGACCGTGATTCCACTA ACCGGAAACCGTCGCCTTTCGGGCC
5171	Table 3A	Hs.160408	Al393992	4223539	tg06c05.x1 cDNA, 3' end /clone=IMAGE:2107976 /clone_end=3'	-1	GGGGAAGTCAAGGAGACACACACGC TCTTTCAACAGAATCAGCTCTTAAT
5172	Table 3A	Hs.244666	Al394001	4223548	tg06d04.x1 cDNA, 3' end	-1	AACTAGATCCTGCCTTAGAAAACCTT
5173	db mining	Hs.160410	Al394009	4223556	/clone=IMAGE:2107975 /clone_end=3' tg11e02.x1 cDNA, 3' end	-1	TTGCCATGAATGACAAATTCATGT TGTCAGCATCTGGAATAGTGTAAGTA
	J			4223850	/clone=IMAGE:2108474 /clone_end=3' tg09g11.x1 cDNA, 3' end	-1	TGCAGTGGAGGAAATCTCATCCTT TTAACAGGACCTCTGGGCCACCAAG
5174	db mining	HS. 100423	Al394303	4223630	/clone=IMAGE:2108324 /clone_end=3'		GAGAAAGGCTGGGGAAGCCAAGAG
5175	Table 3A	Hs 159678	Al394671	4224218	tg24a07.x1 cDNA, 3' end	-1	GTTCTGTGATAGTTTGTTTCCCCTCAT
		Un 220227	Al394690	4224237	/clone=IMAGE:2109684 /clone_end=3' tg24c06.x1 cDNA, 3' end	-1	CTCCCTCACCTCTGCCTGGGTTG GGCCCCTCCTTTTGCTGGAGAGTTTT
5176	db mining				/clone=IMAGE:2109706 /clone_end=3'		TTATAAACTGGAGCCCGATTTCAT GGGCTTTTTCTTCCCCTAATCAGGGT
5177	db mining	Hs.159682	Al394730		tg24g04.x1 cDNA, 3' end /clone=IMAGE:2109750 /clone_end=3'	-1	GACCTGGGCCTTTTGGGCAGGATC
5178	db mining	Hs.159683	Al394733	4224280	tg24g09.x1 cDNA, 3' end /clone=iMAGE:2109760 /clone_end=3'	-1	AAGGAGGGGAGTGAATGATATTGCT GTCATTTCTCAGCAAATCATAGTGA
5179	db mining	Hs.177146	Al399977	4243064	tg92e06.x1 cDNA, 3' end	-1	TAAAATTCTCTGTGGGAAAAAGCCTG CCAATAAAATGGGGGTTTTTGGGC
5180	Table 3A	Hs 225567	Al400714	4243801	/clone=IMAGE:2116258 /clone_end=3' tg93g12 x1 cDNA, 3' end	-1	ACAGACTAAGCTGGTTTGGTGGATTC
5181		NA	Al400725	4243812	/clone=IMAGE:2116390 /clone_end=3' tg93h12.x1 NCI_CGAP_CLL1 cDNA	-1	ATCTTTCACTTATGAAGAAAGCAG CCCAAAGCCTGGGGGGTTTGGCCCA
3101	op mining	N/S	71400720	7270012	clone IMAGE:2116391 3' similar to		AACCTTCCCCCTGGTTTTTATAAAA
5182	db mining	Hs 224409	Al400796	4243883	contains TAR1.t1 MER22 repetitive e IL3-ET0114-011100-330-F11 cDNA	-1	ACTGCTTTCAAGAAAGTGGGACCAGT
E102	db mining	He 174778	Al400826	4243913	th10g11.x1 cDNA, 3' end	-1	GGCATTGTAGCCACCATAATCACT GCCCTTGGCAAATGATTTGAGACCCC
	-				/clone=IMAGE:2117924 /clone_end=3'	-1	TTTTGAAAACCATGTAGGATGAAT CACACAGCAGTGGCTTGGGGATGAG
5184	db mining	Hs.270294	Al401001	4244088	tm29d11.x1 cDNA, 3' end /clone=IMAGE 2158005 /clone_end=3'	-1	GAAGGAAGGGAGAATCTCAACGGAG
5185	db mining	Hs 224178	3 Al401179	4244266	tg26g11.x1 cDNA, 3' end	-1	TTTTCTGTGAGTTAGGGGCATGGAG
	_				/clone=IMAGE:2109956 /clone_end=3'	-1	GCGGCAGTGTTGGGAGCTGGAGCC AGTTGGCTCTAGTTTAAAGATATAAAT
5186	db mining		6 Al401184		7o18b08.x1 cDNA, 3' end /clone=IMAGE:3574239 /clone_end=3'		ACGTACCTCACTTAAACCCCATGT
5187	db mining	Hs.327913	3 Al401303	4244390	tg92d01.x1 cDNA, 3' end /clone=IMAGE:2116225 /clone_end=3'	-1	CTTCAGGCCCAAGTTCAACGGGTTAA AGAGGTCCGCTCCCAAATTATTCT
5188	db mining	Hs.159693	3 Al417000	4260504	th02f02.x1 cDNA, 3' end	-1	GTCCCAGTAGCCCCATTTCAGGGCTT GCTAGTTACATGGGTTTGTGTTTA
					/clone=IMAGE:2117115 /clone_end=3'		337737773773777777777777777777777777777

5189	Table 3A	Hs 79968	Al419082		splicing factor 30, survival of motor	-1	GGATGTGTGATGTTTATATGGGAGAA
					neuron-related (SPF30), mRNA		CAAAAAGCTGATGTATAGCCCTGT CAATTTCCACCTCTAAGGGGGTCGG
5190	Table 3A	Hs 131067	Al421806		yt85b05.s1 cDNA, 3' end	-1	GAAAGGCACGCTGAGGGGTGAATATG
			******		/clone=IMAGE:231057 /clone_end=3'	-1	GCTTTCAAATGAATTTCAGGGCTTTC
5191	Table 3A	Hs 159103	AI4318/3		tc97d09 x1 cDNA, 3' end /clone=IMAGE.2074097 /clone_end=3'	-1	TTTGAAGCAGTCTTGTAAAGTTGT
5400	Table 24	Hs.254006	V1433340		tg54e06 x1 cDNA, 3' end	-1	TCCTTTCTGGATACCAGGAATCACTT
5192	Table 3A	HS.254000	A1432340		/clone=IMAGE:2112610 /clone_end=3'		AAAAATCTGTGTATAATGCCCCCA
5193	db mining	Hs 283442	Al435240		ti02a08.x1 cDNA, 3' end	-1	AAACAGGGAACGACAGGAAAAAGAT
Q100	GD				/clone=IMAGE 2129270 /clone_end=3'		GACCGTGATACACTCTGCTAAAAGC
5194	db mining	Hs 327548	Al435268		ti02d10 x1 cDNA, 3' end	-1	CCCCCCGGCTTCCCCCTTTTTTCCC
					/clone=IMAGE:2129299 /clone_end=3'		CGCCCGTTTTTTTGGGGGAATGGG GGCCATGCCGGGCCAGCCCACCTG
5195	Table 3A	NA	Al436418	4281540	ti01h02 x1 NCI_CGAP_CLL1 cDNA	-1	AAGCTCAGTGAAAGCTGATTAAAAA
					clone IMAGE:2129235 3' similar to SW:SYB2 HUMAN P19065		AAGCTCAGTGAAACGTCATTATTTTT
					SYNAPTOBREVIN		
5196	Table 3A	Hs 165703	AI436561	4282683	ti03b03.x1 cDNA, 3' end	-1	CGCAGGACTCTAAAGATCCAAGCTCA
3190	Table on	113 100700	/11-00007	.202000	/clone=IMAGE 2129357 /clone_end=3'		CAAAACACTCCAAATCCACCTCGA
5197	Table 3A	Hs.111377	Al436587	4282890	AL582032 cDNA	-1	AACTTTACTTCTGTTCTTGGCAGGAC
					/cione=CS0DL003YA06-(3-prime)		ATGGAGAGAGGGAGGGATTCCAAA
5198	db mining	Hs.283443	AI436589	4282906	7f34g01.x1 cDNA, 3' end	-1	GGGTGATAATTGAGGGTGCCGCTGG
					/clone=IMAGE:3296592 /clone_end=3'		GAAGGTCCGAGAATGGGTTTTCATG GTTCATTGCTGTTCAGAGTGTTGCTG
5199	Table 3A	Hs.257066	Al438957	4300957	UI-H-BI3-aka-h-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2733930	-1	CTGTGGTGCTATAAATGCTCCCAG
F000	dtt	H= 485704	Al438979	4201111	tc89d11.x1 cDNA, 3' end	-1	TATTCCACCAGTGAGCTACACTCCCG
5200	db mining	Hs 165701	A1430979	4301111	/clone=IMAGE:2073333 /clone_end=3'	•	GCCCCTTTAGTGTTGTTTGTAAAC
5201	db mining	Hs.165702	A1438980	4301118	tc89d12.x1 cDNA, 3' end	-1	CCGTGTTGTGGCAAAATGGTCCCTG
0201	db mining	110.100702	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		/clone=IMAGE:2073335 /clone_end=3'		GAGTTTTTGACCCTGTGTTTAAAGA
5202	db mining	Hs.327566	Al439020	4301397	tc89e05.x1 cDNA, 3' end	-1	TTTTTGGGGCCGAAAACCCCCAATG
					/clone=IMAGE:2073344 /clone_end=3'		AGGGGGATTAAAGCTGTTTTCCCC
5203	db mining	Hs.327567	Al439044	4301565	tc89h03.x1 cDNA, 3' end	-1	GGGGATTTATGGATGGGTTTCCTT
			******	4004077	/clone=IMAGE:2073365 /clone_end=3' tc84f07.x1 cDNA, 3' end	-1	AAATGAGTGACCAAAACACTTCTGTA
5204	db mining	Hs 165704	A1439060	43016/7	/clone=IMAGE.2072869 /clone_end=3'	-,	CCACTTCTGTGAGCTGAGGTCCAG
5205	Table 3A	Hs.165681	A1439580	4305318	QV3-DT0043-211299-044-d03 cDNA	-1	AGGAACCTAAAGAAACTGCCAAGTGT
3203	table on	113.100001	711400000	1000010			AGATAAGCATTGAGTATGTTACCC
5206	db mining	NA	AI439601	4305465	tc85d10.x1 NCI_CGAP_CLL1 cDNA	-1	GGTTGTCCAGTTTTCGGTTTTTAACG
	•				clone IMAGE:2072947 3', mRNA		CCCCCATAGGGGATTTGGCCCCC
5207	Table 3A	Hs.192463	Al439633	4305688	7q86c05 x1 cDNA, 3' end	-1	GTTTTGGAATGAGGAATGATTTTCTA
				1005750	/clone=IMAGE:3705201 /clone_end=3'	-1	AGCCTGACATCAGATGTCTGACA GAAATTCTCCCCTTTTCCCCTCTCCTT
5208	db mining	Hs.165732	Al439643	4305/58	tc91e06.x1 cDNA, 3' end /clone=IMAGE:2073538 /clone_end=3'	-1	CCCTTCTGCTGACCTGTTCTCAG
5209	Table 3A	Hs.255490	A1//306//5	4305772	tc91e08.x1 cDNA, 3' end	-1	CACAGAGGGAGTGTGCAGGGCCAGA
5209	Table 3A	113.200430	A1400040	7000772	/cione=IMAGE:2073542 /clone_end=3'		TTTCATCCTGGGGCCACGCTGAAAT
5210	Table 3A	Hs.9614	Al440234	4281195	Nucleophosmin (probe bad, mutations,	-1	TGATAGGACATAGTAGTACGGGTGGT
					wrong clone used) (nucleolar		CAGACATGAAAATGGTGGGGAGCC
					phosphoprotein B23, numatrin)		CAATACCTACCCCCAGTGGCAGCCG
5211	Table 3A	Hs 309279	AI440337	4282020	tc88b03.x1 cDNA, 3' end /clone=IMAGE:2073197 /clone_end=3'	-1	CCTGCTCCTCATGACCCAAGTAAGT
5040	T-11- 04	Un 00404	01440404	4200600	602590917F1 cDNA, 5' end	-1	TGTTTTAACAACTCTTCTCAACATTTT
5212	Table 3A	Hs.89104	Al440491	4300000	/clone=IMAGE:4717348 /clone_end=5'	•	GTCCAGGTTATTCCCTGTAACCA
5213	Table 3A	Hs.59844	Al440512	4300747	tc83f09.x1 cDNA, 3' end	-1	TAAGTGTCAGGTTTGTGGGGAAGGTT
02.0	70.0.0				/clone=IMAGE:2072777 /clone_end=3'		ATTCTTGCCTTGTGTATTTTGTCC
5214	Table 3A	Hs.327610	AI452611	4286566	tj27g07.x1 cDNA, 3' end	-1	CAAACCCCTATCCCCCATTCTCCTCC
					/clone=IMAGE:2142780 /clone_end=3'	4	TATCCCTCAACCCCGACATCATTA CCTGCAACAGCTAAGGCCAAGCCAA
5215	Table 3A	Hs.121973	Al458739	4311318	602428025F1 cDNA, 5' end /clone=IMAGE:4547239 /clone_end=5'	-1	ACTTACCGTGGACTCAAACACTTTG
E046	Table 3A	Hs.86437	Al469584	4331674	602411368F1 cDNA, 5' end	-1	TGAATTTGGAGTCCCTGGCACATAAA
5216	rable 3A	115,00451	A1403304	4001074	/clone=IMAGE:4540096 /clone_end=5'		TCTACCTTCAAATCAGAGGTCCTT
5217	Table 3A	Hs.149095	Al471866	4333956	ti67d04.x1 cDNA, 3' end	-1	TCCCACCCTTTTCTACTGAATTTGT
					/clone=IMAGE:2137063 /clone_end=3'		GGGGATCCTATAATAAAAGTGAAT
5218	Table 3A	Hs.303662	Al472078	4334168	tj85h03.x1 cDNA, 3' end	-1	ACTACCAGAGCCCTAGGACTTCTGAG
				4004440	/clone=IMAGE:2148341 /clone_end=3'	-1	CACATTTAGAAAATACCAGAGGCA CATGTCAGAGTTCTTAACAGAAAGCA
5219	db mining	HS.1/0//2	Al472326	4334416	tj87c09.x1 cDNA, 3' end /clone=IMAGE:2148496 /clone_end=3'	-,	AAGGTTTCCAACAGCACTTGCATT
5220	Table 3A	Hs.78746	Al474074	4327119	cAMP-specific phosphodiesterase 8A	-1	ATGAAATCTCATGGGGCCAAACTGCA
5220	I able JA	113.70740	/ (I-7/1-10/1-1	1021113	(PDE8A) mRNA, partial cds	•	CATCAGCTACTGCTACCTTCTTGC
5221	db mining	NA	Al475527	4328572	tc85g07.x1 NCI_CGAP_CLL1 cDNA	-1	CCCTGTGGCAACTTGTGGGTACGGTT
					clone IMAGE:2072988 3', mRNA		TAACTGGACCACGCTGAGCTTCTG
5222	db mining	Hs 292501	Al475611	4328656	7f03g08.x1 cDNA, 3' end	-1	AGAAATAGTGTTTCTCGGAAGCTCAG
		11. 666		4000000	/clone=IMAGE.3293630 /clone_end=3'	-1	TTTGGAGCTGACTGCACACGTTGC GTTGCTGGCTGCCCTCCCTGCACT
5223	Table 3A	Hs.300759	Al475653	4328698	ribosomal protein L36 (RPL36), mRNA /cds=(145,462)	-1	CTCCCTGAAATAAAGAACAGCTTGG
5224	db mining	Hs 300759	Al475653	4328698	nbosomal protein L36 (RPL36), mRNA	-1	GTTGCTGGCTGCCCTCCCCTGCACT
5224	as naming	, .5 5507 00	5500		/cds=(145,462)		CTCCCTGAAATAAAGAACAGCTTGG

Table 8

5225	Table 3A	NA	Al475666	4328711	tc93c08.x1 NCI_CGAP_CLL1 cDNA	-1	ACGTGTCAGACACAATCCTGAGCCTT CTACAAGTGTTCCCTCTTACTCCT
				1000700	clone IMAGE 2073710 3', mRNA	4	
5226	db mining	NA	Al475678	4328723	tc93d10 x1 NCI_CGAP_CLL1 cDNA clone IMAGE 2073715 3' similar to	-1	AAGCCCTGTTTACCCAGGTTTTTCTT AAGGCGAGAAGGTTTAGGGTGGTG
							AGGCGAGAGGTTAGGGTGGTG
5007	T. 61- 04	11- 405070	A1475000	422072E	gb:M92287 G1/S-SPECIFIC CYCLIN	-1	GAGAAAGCTCCCAGTCTGTCTTTCCC
5227	Table 3A	Hs 105676	AI4/5680	4328725	tc93d12 x1 cDNA, 3' end	-1	AACATCCCTTCAGTTTCAATAAGC
				1000707	/clone=IMAGE 2073719 /clone_end=3'	4	
5228	db mining	Hs.170338	Al475682	4328727	tc93e03.x1 cDNA, 3' end	-1	TTCAGGTGAGTGTGCCTGGAGGTGG
					/clone=IMAGE:2073724 /clone_end=3'		AGAACTATGGTTTTGATAACTTTGGC
5229	Table 3A	Hs.236030	Al475694	4328739	SWI/SNF related, matrix associated,	-1	AAGGTGCCATGTATTGAAAGTGTGCG
					actin dependent regulator of chromatin,		TCAAAGAACATAAATATCAGTGGA
					subfamily c, member 2 (SMARCC2),		
					mRNA /cds=(22,3663)		TOTA ATTATTTOTOTATOTTOAA OA A
5230	db mining	NA	Al475735	4328780	tc86g02.x1 NCI_CGAP_CLL1 cDNA	-1	TGTAATTATTTTCTGTATGTTCAAGAA
					clone IMAGE:2073074 3', mRNA		GGTAAAGGAAAGGACAGCTATGGGA
					sequence		
5231	db mining	Hs.327640	Al475806	4328851	tc94g03.x1 cDNA, 3' end	-1	ATTTATTTGGGGTTGGTCCCCCCTTT
					/clone=IMAGE:2073844 /clone_end=3'		GGGCCCCCGGGTTTTCCCTTTTTT
5232	db mining	Hs.170586	Al475815	4328860	tc94h02 x1 cDNA, 3' end	-1	AACCATAAAAGGCCCGTTTGGTTAGT
					/clone=IMAGE:2073843 /clone_end=3'		TITCCCTGTTTCCTGGTTTGGGCT
5233	Table 3A	Hs.105052	Al475827	4328872	adaptor protein with pleckstrin	-1	TTATGGGGTAACTCACTTTGGGCGGC
					homology and src homology 2 domains		ACGAAGAACTCCAGGCGGAAGCGT
					(APS), mRNA /cds=(127,2025)		
5234	db mining	Hs.258864	Al475833	4328878	tc87b01.x1 cDNA, 3' end	-1	TCTCTCCCCATCCCAAGTCATCCAGC
					/clone=IMAGE:2073097 /clone_end=3'		CCTTTTTCCTACCCTCAATAAACC
5235	Table 3A	Hs 170587	Al475884	4328929	tc95c12.x1 cDNA, 3' end	-1	CCCCCTGATGGACTTCAAATATGTCT
					/clone=IMAGE:2073910 /clone_end=3'		CATCAACTACAGTATTAAATGCCA
5236	Table 3A	Hs.170588	Al475905	4328950	tc95f06.x1 cDNA, 3' end	-1	CGAGAATGCCTAGGGAAACCAGCTA
					/clone=IMAGE:2073923 /clone_end=3'		CGCTTACAAGCCAGCTACGCAGCCC
5237	db mining	Hs.170589	Al475909	4328954	tc95f10.x1 cDNA, 3' end	-1	GGAAACATTGGCCTGGGGGTGTCCC
					/clone=IMAGE:2073931 /clone_end=3'		CCAAAAGGGGCCGTTTTTAAAGGG
5238	db mining	NA	Al475926	4328971		-1	TGGGTTGACATTGTTCGCACGGGGT
					clone IMAGE:2073955 3' similar to		GTTTCTTATATTAAAAAAGACTCACT
					gb:M59849 FIBRILLARIN (HUMAN);,		077700404444744700474400770
5239	Table 3A	NA	Al478556	4371782	tm53e03.x1 NCI_CGAP_Kid11 cDNA	-1	CTTTCCACAAAATAATCGATAACCTTG
					clone IMAGE:2161852 3', mRNA		GGGGATTGTTTTATGGCTTGACA
5240	db mining	NA	AI479016	4372184	tm29h05.x1 NCI_CGAP_CLL1 cDNA	-1	CCGCCTTGGGGAGACAGGTCTTGAT
					clone IMAGE 2158041 3' similar to		TGTCTTTTTCCCAGTGAACATTGTT
					gb:X58141_rna1 ERYTHROCYTE		
					ADDUCIN	_	
5241	Table 3A	Hs.170784	Al479022	4372190	tm30a05.x1 cDNA, 3' end	-1	TCCCAGACTTTCAGGAAAGTAACTGT
					/clone=IMAGE 2158064 /clone_end=3'		AGCACTGTTAATATCACAACAACA
5242	db mining	Hs.187200	Al479029	4372197	·	-1	TTTTAGCTGGGAGTGGGGGACTAT
					/clone=IMAGE:2158067 /clone_end=3'		GGGGAATAACTTTCCTTCATTTAAT
5243	Table 3A	Hs.337139	Al479075	4372243	tm30h01.x1 cDNA, 3' end	-1	ACATGTGTGTTTTTCCATGAGGCAC
					/clone=IMAGE:2158129 /clone_end=3'		TGCTTTTTATGCATTTCCCTCCCC
5244	db mining	NA	Al479094	4372262	tm31b02.x1 NCI_CGAP_CLL1 cDNA	-1	CTGTATTTGAAGTCAGCAGGGCTCAG
					clone IMAGE:2158155 3' similar to		CAGGATTTGACCGACAGTTACCTC
					contains TAR1.t1 MER22 repetitive e		TO 0 TT 1 T 1 0 1 T 0 0 1 0 T T 0 0 T T 0 0 T T
5245	db mining	Hs.185498	Al479659	4372827	•	-1	TGGTTTATAGATGCACTTCCTTTCATA
					/clone=IMAGE:2158327 /clone_end=3'		GGCAGTCCCTGGCACTTTCTTGC
5246	Table 3A	Hs.170909	Al492034	4393037	,	-1	AGGAGCTGGTATTATTGGAGGGTATT
			****		/clone=IMAGE:2108015 /clone_end=3'		ATAGATCCAGTGTATTGTGACTGT
5247	db mining	NA	Al492041	4393044	tg06g08.x1 NCI_CGAP_CLL1 cDNA	-1	GCAGTAGTGCTAAGGCGTCTTTTGTA
					clone IMAGE:2108030 3' similar to		GGCTTTAGATTTTGTCGTTATGGC
			*****		gb:L23320 ACTIVATOR 1 140 KD		COTTCTCACAACAACATATTTCCA
5248	Table 3A	Hs 119923	A1492066	4393069		-1	GCTTGTCAGAACAGAAGATATTTCCA
			*1400407		/clone=IMAGE 2108525 /clone_end=3'		CCCTGCCTAGTAGATGTGTTTCAG
5249	db mining	Hs.327698	Al492127	4393130	tg07d04 x1 cDNA, 3' end	-1	CCCCGTTTTAGGTTAGGGCCTTGG
5050		11- 470040	41400404	4000407	/clone=IMAGE:2108071 /clone_end=3'	4	GCAGGGTTTGCCCCCTGTTACCCC
5250	db mining	Hs.170912	AI492164	4393167	tg12h01.x1 cDNA, 3' end	-1	TTGGTTTTATTTATCCAAAACTGAGCC
	-		*******	4000404	/clone=IMAGE:2108593 /clone_end=3'		TTCTCATAGGCTTTACACCCGGA
5251	Table 3A	Hs.341634	Al492181	4393184	wt85e01.x1 cDNA, 3' end	-1	GGCAGGCTCTAGCCACCCTGTCGGT
			*******	1000010	/clone=IMAGE:2514264 /clone_end=3'		TCCCAATAAGCCATTTATTGAATAA
5252	Table 3A	Hs.276903	Al492640	4393643	qz18a06.x1 cDNA, 3' end	-1	TTTTTGACCAGTCTACATTTCGTATCT
				1000054	/clone=IMAGE:2021842 /clone_end=3'		GTGGGATCTGCATTTGTGAATTC
5253	db mining	ns.1/0933	Al492648	4393651	qz18b06.x1 cDNA, 3' end	-1	TCTGGACAATGTTGATGCTAACCTTG
	alle material	.	A1400050	4000050	/clone=IMAGE:2021843 /clone_end=3'	4	ATGATATCCATCCCTATTACTGGG
5254	db mining	NA	Al492653	4393656	qz18c02 x1 NCI_CGAP_CLL1 cDNA	-1	AGGACATGAAGGTCTGAAAAAGAAAC
					clone IMAGE.2021858 3' similar to		AGGAAAATACAGACATCCCCGCTT
F	Table 65	11- 47005:	4140000	400000	contains Alu repetitive element,, m		AAGTCAAGGAACCCTCTCGGGTCTCT
5255	Table 3A	H\$.1/0331	Al492865	4393868	th78a05.x1 cDNA, 3' end	-1	GAGATCCAGGCCAACAGTAAACAG
5050	سالم سمالم	Un 007700	A1400400	4004400	/clone=IMAGE:2124752 /clone_end=3'	4	AGGGGCTTTAAAATTTAAAAATTGC
5256	db mining	⊓s.32/702	Al493426	4394429		-1	CTTTTGTTTTAAAAAAGGCCCATGT
					/clone=IMAGE 2116116 /clone_end=3'		OT THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH

5257	Table 3A	Hs.276907	Al493726	4394729	qz12f08 x1 cDNA, 3' end	-1	CCCCCCCCCCCCAAGAAAAAAGAAA
5258	db mining	Hs.342652	Al493740	4394743	/clone=IMAGE 2021319 /clone_end=3' yi60c05.r1 cDNA, 5' end	-1	TGGTAACTACCTGGACAAAACATT CCCTTGGCTCTTATTGTTCTTGCTGG
				1001710	/clone=IMAGE:143624 /clone_end=5'	- 1	TGTGGTATGTTCCCGGCTGAAAAA
5259	db mining	NA	Al494343	4395346	qz14a10 x1 cDNA, 3' end	-1	TTCCCCTTTTTTCCCCCTTTTTTAAAA
5260	db mining	Hs 283456	Al494542	4395545	/clone=IMAGE:2021466 /clone_end=3' 7f12b08 x1 cDNA, 3' end	-1	AGCCCCTTTTTTAAATGGGGCGC AAGGACAGCTTGCTTGCTGATGAACA
				1000010	/clone=IMAGE:3294423 /clone_end=3'	-1	CTTCCACAGTCTTTTGAGCTAAGT
5261	Table 3A	Hs 171009	Al494612	4395615	RST42450 cDNA	-1	ACATGAGAATTAACCATGTCCAGTAG
5262	Table 3A	Hs.342008	Al498316	4390298	UI-H-BI1-aeq-b-02-0-UI.s1 cDNA, 3'	-1	TTAAGTTCATTTTCCTACAGTGTGC GCCAGAATGGTACAGAGTGGAGGGT
				.000200	end /clone=IMAGE-2720186	-1	GTTCTGCTAATGACTTCAGAGAAGT
5263	Table 3A	Hs.169541	Al523598	4437733	th08g11.x1 cDNA, 3' end	-1	GCACAACTTCTGGGAATCTAGTGGCT
5264	db mining	Hs.171098	AI523617	4437752	/clone=IMAGE:2117732 /clone_end=3' tg95b03.x1 cDNA, 3' end	-1	GTATGTTAAAGCATCGGTAAAAGA
	···································		, 11020017	4401702	/clone=IMAGE:2116493 /clone end=3'	-1	AAAAAGGCCCCTTGTTTGTTGGTTTT TGGCCCGTTGGGGAAAATGCCTGT
5265	db mining	Hs.264120	Al523641	4437776	601436078F1 cDNA, 5' end	-1	TTTAGGAGCTGACCATACATGATGAG
5266	Table 3A	Hs 309484	Al523766	4437901	/clone=IMAGE:3921187 /clone_end=5' tg94f07.x1 cDNA, 3' end	-1	TGATACAGCCTGTACTTTGCTCAT GGTTTCCCACGAACGGGAGGCTGCT
					/clone=IMAGE:2116453 /clone_end=3'	-1	GAAGAGTCAAAGCCTGGGCAGACTC
5267	db mining	NA	Al523780	4437915	tg94h09.x1 NCI_CGAP_CLL1 cDNA	-1	CAGGTCATGAGTATTCCAAGCTCAGG
					clone IMAGE.2116481 3' similar to gb:M15059 LOW AFFINITY		TGGTGAGTCCTCCTCACCGGGATG
5268	db mining	Hs.171108	AI523790	4437925	tg96b01.x1 cDNA, 3' end	-1	AAAGGGAAACTGGCTCTGGCACCAC
5269	Table 3A	Un 1040E4	A1500054	4407000	/clone=IMAGE:2116585 /clone_end=3'		CTACTGGAGACCAAACTTCACCAAA
3209	Table SA	Hs.194054	Al523854	4437989	HA0669 cDNA	-1	GACAAAATAGTTACCTATGCTTTCCTT CTGGCACCCCGAATGTACGCAGG
5270	Table 3A	Hs 228926	AI523873	4438008	tg97c12.x1 cDNA, 3' end	-1	ATCTGACCTGAGGGAGATCACAAATG
5271	db mining	Hs.207993	AIE22004	4429040	/clone=IMAGE:2116726 /clone_end=3'		CCTTCTGTATTGGGTGGTAATGAT
0271	GD Hilling	115.207993	A1023004	4430019	tg97e12.x1 cDNA, 3' end /clone=IMAGE:2116750 /clone_end=3'	-1	TCCGTTGTAACACATCTAATGTGAAC GCATTATAAACATGGACCTGTACT
5272	db mining	NA	AI523904	4438039		-1	ACATAACTATTCCGTTGATGAATAGC
					clone IMAGE:2116757 3' similar to		ATCAGGACTTAAATGGTGACCTTGT
					SW:MKK2_HUMAN P49137 MAP KINASE-ACT		
5273	db mining	Hs.337129	Al523973	4438108	tg98h03.x1 cDNA, 3' end	-1	AACGGGTTTGGGTTTTGGGGGGGTTT
5274	db mining	Hs.340482	A1522000	4420122	/clone=IMAGE:2116853 /clone_end=3'		GTTCTTTTTATTGAATCCATTTAAGT
0214	ab mining	113.040402	A1323900	4430123	tg99b05.x1 cDNA, 3' end /clone=IMAGE:2116881 /clone end=3'	-1	TATAGGAGATGGGATACTCATTCCCG CTGCTATTGATAAGGTCGGAGGCG
5275	db mining	Hs 283457	Al523989	4438124	7f27b07.x1 cDNA, 3' end	-1	CAGAACGTCCTCAAGGACACACTCCT
5276	db mining	Hs.229405	A1524004	4420120	/clone=IMAGE:3295861 /clone_end=3'		CCCTCGGGCCTCACTCTGGAGCAC
02.0	as manag	113.223703	7.102-1004	4430133	tg99d01.x1 cDNA, 3' end /clone=IMAGE:2116897 /clone_end=3'	-1	CTGGACATGTTGTTTCCATGTTCAGT CCCTTCCCGGTTTTTGGGTGTTTT
5277	db mining	Hs.283458	Al524006	4438141	tg99d05 x1 cDNA, 3' end	-1	AAAGTAGCCATCCTGAGTCTCCAGGG
5278	db mining	Hs.327719	AI524013	4438148	/clone=IMAGE:2116905 /clone_end=3' tg99e03.x1 cDNA, 3' end	-1	TGATGAGCGGACTTGGGTGTGGAT CCTTCCATCTCATCGGTGGCCTCTCA
	-		7.1102.1010	4400140	/clone=IMAGE:2116924 /clone_end=3'	-,	CTGTGGCTCACTGTTTAACACATG
5279	Table 3A	Hs.252359	AI524022	4438157	tg99f02.x1 cDNA, 3' end	-1	TGTTCAAGGTCACATAGTTTAGGTAA
5280	Table 3A	Hs.192524	AI524039	4438174	/clone=IMAGE:2116923 /clone_end=3' tg99h02.x1 cDNA, 3' end	-1	GAAGCTCAAACCTGAGTTTTAGGT CACCTGATTCCCCCTCTTGCCCACAG
				,	/clone=IMAGE 2116947 /clone_end=3'		GACTCTGCTGTTGTTTTCATTCTG
5281	db mining	Hs.283459	Al524046	4438181	th01a01.x1 cDNA, 3' end	-1	TCTCGTGAGGTGATGTGGTGCTGCA
5282	db mining	Hs.171119	Al524139	4438274	/clone=IMAGE:2116968 /clone_end=3' th09f04.x1 cDNA, 3' end	-1	GACTTAAGCTATCTGCCTTGAAGAT AACAAGCCTGGAATAATGCCCCCAAA
5000	alta and the trans				/clone=IMAGE.2117791 /clone_end=3'	•	GATTGAGTGGAAATCGCCCCTTTT
5283	db mining	NA	Al524156	4438291	th09h01.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2117809 3' similar to	-1	CAGGACCAGATGGCCCAGGAGGAAG
					contains Alu repetitive element;con		TGGATGCTTTCTTGGTAGGGAATGG
5284	Table 3A	Hs 171122	Al524202	4438337	th10d11.x1 cDNA, 3' end	-1	CCTCCTGCTAGAAGACAGATTTCTTC
5285	db mining	Hs.171123	Al524214	4438349	/clone=IMAGE:2117877 /clone_end=3' th11b04.x1 cDNA, 3' end	-1	CTTGGCTGACAGGCTGAATTAAGC AATTTCCAAAAACAAAAC
	-			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/clone=IMAGE.2117935 /clone_end=3'		CAGGTTTCATGGAGCCCGAGTCCA
5286	db mining	Hs.171124	AI524233	4438368	th11d04 x1 cDNA, 3' end	-1	CCTTTATGCAAGTTGTAAGGGGTTGA
5287	Table 3A	Hs 174193	AI524263	4438398	/clone=IMAGE:2117959 /clone_end=3' th11g07 x1 cDNA, 3' end	-1	CCAGTAAAGAGGAAGTTTTGCCCC AGTATTAGCTACAAACAAGCCTTGTT
					/clone=IMAGE:2118012 /clone_end=3'		TCCTCTTGGCTGTCAGGCACTGCT
5288	db mining	Hs.230874	AI524266	4438401	th11g12.x1 cDNA, 3' end	-1	AAGCCCCAGTAAGGTGTTCAGGACT
5289	Table 3A	Hs.12315	Al524624	4438759	/clone=IMAGE:2118022 /clone_end=3' hypothetical protein FLJ11608	-1	GGTAAACGACTGTCCTCAAGTAAGG TGGTTCAGGTAGTAAATGCTTTTGGT
5200	dh mininn	Ha 207700			(FLJ11608), mRNA /cds=(561,1184)		CACATCAGAACTCTAGATCTGGGG
5290	db mining	Hs.327722	AI524626	4438761	td11c03 x1 cDNA, 3' end /clone=IMAGE:2075332 /clone end=3'	-1	GCCTGGGCTGTTTTTGCTATATGTAA ATAAAGCCCTTGGGTCTTTATTTT
5291	db mining	Hs.231512	AI524700	4438835	th12c05.x1 cDNA, 3' end	-1	GGAGGTTAGGAAGCCCTTTTAAAGTA
5292	db mining	He 171140	A1524720		/clone=iMAGE:2118056 /clone_end=3'	,	CAAACCCCGGCATGGGGAATTTT
5252	an mining	Hs 171140	A1024120		th12e10.x1 cDNA, 3' end /cione=IMAGE 2118090 /cione_end=3'	-1	AACGGGAGTGATCGGGAAGTGAACA GTTTCATCATCTGCTGCTGCTATTC
							23/13/13/13/13/13/13/13/13/13/13/13/13/13

Table 8

			11504704	4400050	Alter OSCO and a CONIA. OI and	4	CTCCTATCTTCCTTTCTACCCCAAAA
5293	db mining	Hs.292520	AI524724	4438859	th12f03.x1 cDNA, 3' end	-1	CTGGTATGTTGCTTTGTAGGGGAAAA ACTAATTTTGTTGGGTCAGGGACA
5004	-1111	H= 000400	A1E20440	4450554	/clone=IMAGE 2118077 /clone_end=3' td06a02.x1 cDNA, 3' end	-1	CCGGACAAGCCATTTGATGTTCTAGT
5294	db mining	Hs.283462	A13304 19	4432334	/clone=IMAGE:2074826 /clone_end=3'	-1	TTGCAATTACTCCACGCAAAGTGG
E20E	dh minina	Hs 231292	A1529420	4452555	td06a03.x1 cDNA, 3' end	-1	TTTGGGCATCAACTTCAACAACTACT
5295	db mining	HS 231292	A1030420	4402000	/clone=IMAGE.2074828 /clone_end=3'		ACCAGGACGCCTGAGGGTGCTTTT
5296	db mining	Hs 171216	A1538445	4452580	td06d02.x1 cDNA, 3' end	-1	TCGAAGAAAGTACCTGTAAATGTAGA
3290	ab mining	115 17 12 10	A1000440	4432300	/clone=IMAGE:2074851 /clone_end=3'	- 1	GTAATTGCGAAGCTGTCAGGAATA
5297	Table 3A	Hs 203784	A1620474	4452600	td06h08.x1 cDNA, 3' end	-1	TCCTAGACCCTGCATTGTGAAATGGG
5291	Table SA	HS 2037 04	A1000474	4402009	/clone=IMAGE 2074911 /clone_end=3'		GCTTGAATTTTAGTTCTGAATTTT
E209	Tobio 2A	Hs.306024	A 1520546	4452691	FK506-binding protein 3 (25kD)	-1	CTAAAGCAGTGTCTGACCTGGATTTG
5298	Table 3A	HS.300024	A1000040	4432001	(FKBP3), mRNA /cds=(23,697)	-,	CTGCCAATTTGTAAGCTTTCATGA
5299	Table 3A	Hs.192534	AI538554	4452689	EST384032 cDNA	-1	GGAGCTGAGCAGGGATGCAAAACCA
5299	rable SA	HS. 192004	A1000004	4402009	E31364032 CDNA	-:	TCCAGTCTGTAAGATTCACAGAGAC
5300	dh minina	Hs 171260	A1540044	4457417	td08e06.x1 cDNA, 3' end	-1	AAACGGTGTTTGAGCTGCTTTGGGAA
5500	db mining	HS 17 1200	A1040044	440/4//	/clone=IMAGE:2075074 /clone_end=3	-,	AACCCATGTTGCAGATTTTCAGGT
5301	db mining	Hs.283463	Δ1540109	4457482	7f10e03.x1 cDNA, 3' end	-1	CAGAGCTGTGTTTCCTCAACAAGTGT
0001	ab mining	113.200400	7110-10100	4407.402	/clone=IMAGE:3294268 /clone_end=3'	•	GCGAGCGGTCGTGTGCGCCATGAG
5302	Table 3A	Hs.171261	AI540125	4457498	MR1-BN0212-280600-001-c06 cDNA	-1	AAATCGCTTCTGTATTGTTAATAGCAA
0002	Table on	110.17 1201	7110-10120	4401400	THE BROWN BOOK OF SOME	•	TATATGACCTCTGCTGTCCTCCT
5303	db mining	NA	AI540130	4457503	td09g11.x1 NCI_CGAP_CLL1 cDNA	-1	GAAAGGATAATTTCGAACCCTTGCAT
5505	ab mining	11/1	7110-10100	4401000	clone IMAGE:2075204 3' similar to	•	AGTTTCGGTATGGGCCGTGCCAAC
					gb:X64707 BREAST BASIC		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
5304	Table 3A	Hs 171264	AI540161	4457534	td10c10.x1 cDNA, 3' end	-1	CCCTCTTGAACTGCACTGCCTAAGAA
0004	Table on	115 17 1204	7110-10101	1101001	/clone=IMAGE:2075250 /clone end=3'	•	ATGTTGGTTGCATGGAGACATATT
5305	Table 3A	Hs.222186	A1540165	4457538	td10d05.x1 cDNA, 3' end	-1	TCTGCCTTATTTGGCTTGGAAGAGAA
5000	Table of	113.222.100	7110-10100	1101000	/clone=IMAGE:2075241 /clone_end=3'	•	ACCGATAAACACTCCCGTGCTAGT
5306	Table 3A	Hs.170935	A1540204	4457577	MYE6493a cDNA	-1	AAACAGCAGAAAAGTAATTTCTGGTG
0000	Table or	113.110000	7110-4020-4	1107017	111,20,1000,00101	•	AACTGATGAGAATTCCCTATTGCA
5307	db mining	Hs.327797	AI540784	4458157	tc87e08.x1 cDNA, 3' end	-1	AGGTTGTTTTGGAAAAATTATTTGTTT
					/clone=IMAGE:2073158 /clone_end=3		TGTCCTAAGGGGTCCTGCCCACC
5308	db mining	Hs.327798	AI540789	4458162	tc87f03.x1 cDNA, 3' end	-1	CCTCCGGAACGTTTTTAAAAAGGAAA
					/clone=IMAGE:2073149 /clone_end=3'		AAGCCCGGGTTTTCCCTTGGGAAAAA
					_		
5309	Table 3A	Hs.170577	Al540813	4458186	602574255F1 cDNA, 5' end	-1	CAGACCTGTGGGCTGATTCCAGACT
					/clone=IMAGE:4702644 /clone_end=5'		GAGAGTTGAAGTTTTGTGTGCATCA
5310	Table 3A	Hs.173182	AI554733	4487096	tn27f08.x1 cDNA, 3' end	-1	ACCAAGTTTGAATTTGTCAAATCCCA
					/clone=IMAGE:2168871 /clone_end=3'		AGTCAATCCAGGATGTTCATTTCT
5311	Table 3A	Hs.282963	AI557431	4489794	602583968F1 cDNA, 5' end	-1	AGTGATCTGCCTTTCAGCAACTGTCT
					/clone=IMAGE:4711721 /clone_end=5'		TATTTTGGTTCTTTGAAACTGTGA
5312	db mining	Hs.104679	AI559444	4509649	Homo sapiens, clone MGC:18216	-1	TTTGAATGGCTGAAGCTAAGGCAACG
					IMAGE:4156235, mRNA, complete cds		TTAGTTTCTCCTTACTCTGCTTTT
					/cds=(2206,2373)		
5313	db mining	Hs.118392	AI560561	4510902	RST42466 cDNA	-1	ACCTTTGTGATTCTGTCTAGTGAAAAT
	_						GGGACATTTTTAATAGTGCCAGA
5314	Table 3A	NA	Al560651	4510992	tq60f01.x1 NCI_CGAP_Ut1 cDNA	-1	GAACTTGCCCCTAAACTGGGTTAAAT
					clone IMAGE:2213209 3' similar to		GGACCCTGTTGAGTTTTCTGGACA
					gb:M36072 60S RIBOSOMAL		
5315	db mining	Hs.327874	AI568374	4531748	th13e03.x1 cDNA, 3' end	-1	TAAATTGGGCAAAGTTTTTTATGGAAT
					/clone=IMAGE:2118172 /clone_end=3'		TTCCGGGGCAAGGTTTTGGGGGC
5316	Table 3A	Hs.340517	Al568459	4531833	tn39e07.x1 cDNA, 3' end	-1	AAATCTCATTTGCAAGTTCTCCCATTA
					/clone=IMAGE:2170020 /clone_end=3'		AGCAAGGGAGTAGTTTACTAGGA
5317	Table 3A	Hs.143951	Al568622	4531996	tn41e10.x1 cDNA, 3' end	-1	AAGAAAGGCCCATAACAGATGGCAAA
					/clone=IMAGE:2170218 /clone_end=3'		ATAGAGGATTGGTGAGGGATATGC
5318	db mining	Hs.75969	Al568695	4532069	proline-rich protein with nuclear	-1	AAAACCATTCCAGCTTAATGCCTTTAA
					targeting signal (B4-2), mRNA		TTTTAATGCCAACAAAATTGGGG
5319	Table 3A	NA	AI568725	4532099	th15a01.x1 NCI_CGAP_CLL1 cDNA	-1	TGCAACCTTCTTAAAATGTGGGCTAC
					clone IMAGE:2118312 3', mRNA		TGGAGATCATGCCACTGCACTCCA
5320	Table 3A	Hs.159014	AI568751	4532125	th15d09.x1 cDNA, 3' end	-1	AGCTCAGATGGGTCCCCAAAAGAGG
				4500405	/clone=IMAGE:2118353 /clone_end=3'		CATAGGAAAGCGCGACCTCACTGCC
5321	db mining	Hs 174242	AI568/53	4532127	th15e04 x1 cDNA, 3' end	-1	CAAATAAAAAGGCTGGGGCCAAAGG
					/clone=IMAGE:2118366 /clone_end=3'		TGGGCACCAAAAGTCCTCCTATGTG
5000	Toble 24	NA	A1560755	4E22400	th15f02 v4 NCL CCAD CLL4 aDMA	-1	TGCAGCTCCCATTTCCTGAGCGTCTA
5322	Table 3A	NA	Al568755	4532129	th15f03.x1 NCI_CGAP_CLL1 cDNA	-1	CCAGGTACTAGGAGAACTCTTACA
E222	dh mining	He 307076	Δ1569774	45224 <i>4</i> E	clone IMAGE.2118365 3', mRNA th15h04.x1 cDNA, 3' end	-1	ATTATCCTTTTCCCCAGGAAGCCCTC
5323	db mining	Hs 327876	VI200111	7 33∠143	/clone=IMAGE:2118391 /clone end=3	-1	GGCCCCAAAAAGGGAAACAGTTT
5324	db mining	Hs.179070	AI568773	4532147	th15h09 x1 cDNA, 3' end	-1	CATGAGCCCAGGGGTTTCATGACAAA
3324	ab manny	113.113010	/11000//0	7002171	/clone=IMAGE:2118401 /clone_end=3		CATTACTAGCATGTTCAACTGCCC
5325	Table 3A	NA	AI569898	4533272	tr57c12.x1 NCI_CGAP_Pan1 cDNA	-1	GCCGGTTTATGGAAAAACCAGGAC
3020	Table 0/1			1000212	clone IMAGE:2222422 3' similar to	•	CAGTTTATGTTTGGGGTTTTGGGAA
					gb:D16234 PROBABLE PROTEIN		
5326	Table 3A	Hs.92448	AI570295	4533669	•	-1	GCTTGGTACTGTCATAGTGATTACAA
						•	ATTTCATGGAATGCGAAGAGCAAC
F00*							
5327	Table 3A	Hs 5637	Al570531	4533905	602998983F1 cDNA, 5' end	-1	TTTTCTCCCCTCTCTTCCCCTTCCAC
5327	Table 3A	Hs 5637	Al570531	4533905	602998983F1 cDNA, 5' end /clone=IMAGE 5141013 /clone_end=5'	-1	

Table 8

5328	Table 3A	Hs 14623	Al571519	4534893	interferon, gamma-inducible protein 30 (IFI30), mRNA /cds=(40,951)	-1	AAGCCCAGATACACAAAATTCCACCC CATGATCAAGAATCCTGCTCCACT
5329	db mining	Hs 8882	AI572757	4536131	tu43c07 x1 cDNA, 3' end	-1	CATGTGTTGACTCTGTAATGGATTTAT
5330	Table 3A	Hs.230430	AI579979	4564355	/clone=IMAGE.2253804 /clone_end=3' tq45a01 x1 cDNA, 3' end	-1	GTAGCCCACTTCAGTCTGCAAAT AGGGGTGTCCCTTTTCCCCTTCATGT
5004	Table 3A	NA	Al581199	AEGE575	/clone=IMAGE:2211720 /clone_end=3' tl94h10.x1 NCI_CGAP_Co14 cDNA	-1	AAAATTCTAACTGGGGCTACCAGT TCTACTGACTATCCTAGAAATCGCTG
5331	Table SA	IVA	Al061199	4303373	clone IMAGE.2154787 3' similar to SW:ATP6_HUMAN P00846 ATP SYNTHASE A	-•	TCGCCTTAATCCAAGCCTACGTTT
5332	Table 3A	Hs 327922	Al581383	4565759	to71c02 x1 cDNA, 3' end /clone=IMAGE 2183714 /clone_end=3'	-1	TGAAGAAACTGCCCTTTCTGTGATGT TTTTGAATACTACCCAACAGCCAA
5333	Table 3A	Hs.229918	Al581732	4567629	ar74f03 x1 cDNA, 3' end /clone=IMAGE:2128349 /clone end=3'	-1	CTTCCTAGCCCTAAGTTTGGCCTTTG GGTGGCTCCAAAAAGGATTAGGTT
5334	Table 3A	Hs.292553	Al582954	4568851	tr98e07.x1 cDNA, 3' end	-1	TCCCCTCGTTTTGTAGGGTTTGTAC ATAATAAAACAATGGGGTGGGG
5335	Table 3A	Hs.340925	AI590337	4599385	/clone=IMAGE:2227140 /clone_end=3' wh96a06 x1 cDNA, 3' end	-1	TGTTAAGTGTGAGGTTTTCTGAACCC
5336	Table 3A	Hs.101617	AI597917	4606976	/clone=IMAGE:2388562 /clone_end=3' 601513709F1 cDNA, 5' end	-1	TTAGCAGAAGGACTTTTAATGTTT AGTTCCACTGCTGTTCCTCTTACCTT
5337	db mining	Hs 13646	Al611245	4620412	/clone=IMAGE:3914786 /clone_end=5' 601287348F1 cDNA, 5' end	-1	GATTAAATGCCTATGCATGTACTT AGTTCTGTTGTGTAATCTGGTGCTGG
	·				/clone=IMAGE:3621754 /clone_end=5'	-1	TTCCCTGGGCATATGTATTCTGTG CCCCCTTGCTTGGTTTTAAGTAGGTA
5338	Table 3A	NA	Al619574	4020700	ty50c09 x1 NCI_CGAP_Ut2 cDNA clone IMAGE:2282512 3' similar to	-1	TGGAATGTTATTATAGGCCATAGT
5339	db mining	Hs.340564	Al625119	4650050	gb:M23613 NUCLEOLAR ts47b12 x1 cDNA, 3' end	-1	TCAGTGTAAACATAATTAGGCCGTGA
	T.11. 04	11- 400005	41005000	4050000	/clone=IMAGE:2231711 /clone_end=3'		GTTTTTGCTCTTACTCCCAGGTTT
5340	Table 3A	Hs.188365	Al625368	4650299	ts37c10.x1 cDNA, 3' end /clone=IMAGE:2230770 /clone_end=3'	-1	TGTAAACTTGTTTTAACAACTCTTTTC AACATTTTGGCCGGGGTATTCCC
5341	Table 3A	Hs.278554	Al627495	4664295	chromobox homolog 3 (Drosophila HP1	-1	TGCTGAAAGTGGTCCCAAAGGGGTA
5342	Table 3A	Hs.171262	ΔI628803	4665693	gamma) (CBX3), mRNA /cds=(111,662) ty95h02.x1 cDNA, 3' end	-1	CTAGTTTTTAAGCTCCCAACTCCCC TTCCCAGTTGCCACAGACCGTTTATA
3042	Table 5A	119.17 1202	A1020000	4000000	/clone=IMAGE:2286867 /clone_end=3'	•	TGAAGAAATGCTAAAGAAGTTCCC
5343	Table 3A	NA	AI628930	4665730	ty40d03.x1 NCI_CGAP_Ut2 cDNA clone IMAGE:2281541 3' similar to SW:ATP6_HUMAN P00846 ATP SYNTHASE A	-1	TCTACTGACTATCCTAGAAATCGCTG TCGCCTTAATCCAAGCCTACGTTT
5344	db mining	Hs.264154	Al630176	4681506		-1	AGTTCTAAAGCCGGGAATTCCTAAGG ATATACTAAATGAGATTATGTGTGG
5345	Table 3A	Hs.340604	Al631850	4683180	wa36h07.x1 cDNA, 3' end	-1	GCCTGGGGGAGGAGAGTCCCTTCC CATTCCAGCTCGATCAATCTTGCTG
5346	Table 3A	Hs.256729	Al634652	4685982	/clone=IMAGE:2300221 /clone_end=3' wx27c05.x1 cDNA, 3' end	-1	GGAGTAGAGAGAGTCTTGCTACATGC
5347	Table 3A	Hs.319825	Al634972	4686302	/clone=IMAGE:2544872 /clone_end=3' 602021477F1 cDNA, 5' end	-1	GGGAACTAGAATTACATCACTGCG AAGAAGTTTCATTGATATCCACTGGT
5348	Table 3A	Hs.176920	Al638800	4691034	/clone=IMAGE:4156915 /clone_end=5' tt32e01.x1 cDNA, 3' end	-1	CACATCATACCTGTCTATAGGGCA TGCTTCAAGCACAGGATTTATGGAAT
0040	Table of t	110.170020	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1001001	/clone=IMAGE:2242488 /clone_end=3'	·	AGTTGGCAAATTAAACAACATGCT
5349	Table 3A	Hs.197028	Al650871	4734850	602643870F1 cDNA, 5' end /clone=IMAGE:4774817 /clone_end=5'	-1	CGGCAGCCTTATGGAATGAGTTTCTT GTCATGAATGTTGTCCCCAAAGCT
5350	Table 3A	Hs.4283	Al651212	4735191		-1	ACAGTTACTTTGGAGCTGCTAGACTG GTTTTCTGTGTTGGTAAATTGCCT
5351	db mining	Hs.203064	Al651922	4735901		-1	TGTGAAGAATCCCTACCATTAATACC
5250	Table 24	Un 405379	A1052766	472774E	/clone=IMAGE:3197471 /clone_end=3'	-1	CTGGGTGGGATAAATAAAAATGGG CCCAAAATTTGTTTAAAGTTCCGACTT
5552	Table 3A	Hs.195378			ty01b06.x1 cDNA, 3' end /clone=IMAGE:2277779 /clone_end=3'		CCAAAAGGGGCCAATAAAAAGGG
5353	db mining	Hs 111941	Al660405	4763975	qd92a04.x1 cDNA, 3' end /clone=IMAGE.1736910 /clone_end=3'	-1	CACCGCCTCTGCCTCCGCCTCTTCCA CTGGAGAGCCCGAGGTCAAAAGGTC
5354	Table 3A	Hs.200442	Al669591	4834365	tw34b09.x1 cDNA, 3' end /clone=IMAGE:2261561 /clone_end=3'	-1	CCCTCACCTAGCAGTACTACCACAAT AATGCTATCATGGTGCCAGGGAAT
5355	Table 3A	Hs.101150	Al672433	4852164	Homo sapiens, clone IMAGE.4054156, mRNA, partial cds /cds=(0,526)	-1	TCTCCTTCCCCATTGGGCCGCCTTTA TCAATTGCCTGTTTTGTTT
5356	Table 3A	Hs.341178	Al678004	4888186	xa30a04.x1 cDNA, 3' end /clone=iMAGE:2568270 /clone_end=3'	-1	TTTTTATCTTTCTTGGTGGGGGTGTG GTGGTGGTGAAGAGGACCTAAAAA
5357	Table 3A	Hs.324507	Al678099	4888281	hypothetical protein FLJ20986 (FLJ20986), mRNA /cds=(182,2056)	-1	CGCCAGAGGTCAGAACATGTCTATTT TGAATTGGATCGTTACAAATGAGC
5358	Table 3A	Hs 178784	Al681868	4892050	602587746F1 cDNA, 5' end	-1	GCAGGCACTGACATTTTTGAGCAAAG
5359	Table 3A	Hs 90744	Al684022	4895316	subunit, non-ATPase, 11 (PSMD11),	-1	ACGTGATGTTATGAGATAAATATC TTCTGACACGATTACACAACGAGGCT TTAATGCCATTTGGGTAGGTGAGC
5360	db mining	Hs 328323	Al684369	4895663	mRNA /cds=(0,1268) tc96e09.x1 cDNA, 3' end /clone=IMAGE:2074024 /clone_end=3'	-1	TTTTAAAGGGGAGGGGCCGGGGTTT GGTCCCCGGTCCCAAAGGTAAAAGTT

Table 8

5361	Table 3A	Hs 58774	Al684437	4895731	Homo sapiens, Similar to zinc finger	-1	GAGTGAGAAGAGGCTTTTAAGGACCA
					protein 175, clone MGC.12651 IMAGE:4301632, mRNA, complete cds /cds=(367,522)		TGTGAAGAGGCTTTTAAACACTTT
5362	db mining	Hs.182817	Al684847	4896141	602290551F1 cDNA, 5' end /clone=IMAGE;4385293 /clone end=5'	-1	GGGTTGGGATAAACTGCTTAGATGTT TGCCTACTTGTCCAGTGAAATTAC
5363	Table 3A	NA	Al688560	4899854	wd39f08 x1 Soares_NFL_T_GBC_S1 cDNA clone IMAGE:2330535 3', mRNA sequence	-1	ACTGAAAAGTTGAAAGACTTTTGCAG TGAACATTTATATAACTCCCCGCT
5364	Table 3A	Hs.201789	Al693179	4970519	MR1-CI0181-061100-001-a01 cDNA	-1	ATTCATAGGTAGTGCCCAGAGAGAGT ACAAGCTCTGACTCATATGGCAGT
5365	literature	Hs 202407	Al697497	4985397	we14b06.x1 cDNA, 3' end /clone=IMAGE:2341043 /clone_end=3'	-1	ACATGTTACCTGGAGTAGCTGTCA ACAGATTAATATGGAATGCTACTA
5366	Table 3A	Hs.177708	Al697756	4985656	602369210F1 cDNA, 5' end /clone=IMAGE:4477370 /clone_end=5'	-1	TGGTTCCTGTGCTCACCATAGGGCTG GTGTACATTGGGCCATTAATAAAC
5367	Table 3A	Hs 206654	AI700738	4988638	EST368531 cDNA	-1	ACAGATCCCTATTGCCAGACACATCA TTCTCTCCATCCAGAAAGCAAACA
5368	Table 3A	Hs 80887	Al701165	4989065	v-yes-1 Yamaguchi sarcoma vıral related oncogene homolog (LYN), mRNA /cds=(297,1835)	-1	TCTGGGAAAGACATTTTTAAGCTGCT GACTTCACCTGCAAAATCTAACAG
5369	Table 3A	Hs 102793	AI707589	4997365	RST17769 cDNA	-1	AGTCACGATAAACCTGGTCACCTGAA AATTGAAATTGAGCCACTTCCTTG
5370	Table 3A	Hs.309433	Al707809	4997585	as28g09.x1 cDNA, 3' end /clone=IMAGE:2318560 /clone_end=3'	-1	AAACTGGCGGCCCAACAAAACAGTG GGTTAAATGGGTCCCTGGGTGACAT
5371	Table 3A	Hs.107369	Al707896	4997672	as34a10.x1 cDNA, 3' end /clone=IMAGE:2319066 /clone_end=3'	-1	AGTGTTTCCTCCACATCTAAAGAAAG CCCATTTTGAAACTGGATACTGCA
5372	Table 3A	Hs.176430	Al708327		at04c02 x1 cDNA, 3' end /clone=IMAGE:2354114 /clone_end=3'	-1	CCCAGGTGGCCCCTCTCCATCAGAT GTTATTGCTCTTCCCCATTTATTTA
5373	Table 3A	Hs.300710	Al709236	4999012	RC0-MT0059-200600-021-g05 cDNA	-1	AAGATGCCTAAGCGTTAACCAGGTGA AACAGGGGTGGGAGAGAAAGAA
5374	Table 3A	Hs 297184	Al720536	5037792	601502712F1 cDNA, 5' end /clone=IMAGE:3904539 /clone_end=5'	-1	GTCATACACCTATCCCCCATTTTCCT CCTATCCCTCAACCCGGACATCAT
5375	Table 3A	Hs.313929	Al733018	5054131	oh60h01.x5 cDNA, 3' end /clone=IMAGE:1471441 /clone_end=3'	-1	GCAGGTGGCAGAATGGGGTGCATGA AGGTTTCTGAAAATTAACACTGCTT
5376	Table 3A	Hs.310333	AI735206	5056730	at07f03.x1 cDNA, 3' end /clone=IMAGE:2354429 /clone_end=3'	-1	ACAGAGAGGCAGCATTTGTTTTCCAG TTAAAATTTGACCTCACTGTGATT
5377	Table 3A	Hs.277201	A1740667	5108955	wg07b07.x1 cDNA, 3' end /clone=IMAGE:2364373 /clone_end=3'	-1	CCCCCTTTTGTTGTGGTTTTATATTGG AACCCCCTTTTTCTTTGGAACTA
5378	Table 3A	Hs.204656	Al741246		wg26g09.x1 cDNA, 3' end /clone=IMAGE:2366272 /clone_end=3'	-1	AGTGGTGGCATATATCACAAATGG
5379	Table 3A	Hs.299883	AI742850		hypothetical protein FLJ23399 (FLJ23399), mRNA /cds=(282,1769)	-1	TGTTTTACCTCACTGTTGGACATACAT TCCAAGCTTTTCAACTCTAGGAG
5380	Table 3A	Hs.6187	AI745230		wg10e05.x1 cDNA, 3' end /clone=IMAGE:2364704 /clone_end=3'	-1	CAGAACATGCCCAAAGAAGCCTATAT CTTGCTGCTGGGAAATGTAAAGCA
5381	Table 3A	Hs.293842	Al748827	5127091	601571679F1 cDNA, 5' end /clone=IMAGE:3838675 /clone_end=5'	-1	CAAACACCGGCAGTTGAAAGGAAAA GGACGGGGAATGTGATGGAAAAGAG
5382	Table 3A	NA	Al749435	5127699	at24b04.x1 Barstead aorta HPLRB6 cDNA clone IMAGE:2356015 3' similar to gb:X55715 40S RIBOSOMAL PRO	-1	CCCCCTCCCTGCCCCGGTGAGCTTT GGGGAACCCAAAAATTAGATTTTGC
5383	Table 3A	Hs.204929	AI749444	5127708	at24c03.x1 cDNA, 3' end /clone=IMAGE:2356036 /clone_end=3'	-1	CCCAAATCCAAGGACCAATGCTGTTG TAAACAAGGGGTAAAGGGCCTAAA
5384	Table 3A	Hs.205071	Al760018	5175685	wh83b02.x1 cDNA, 3' end /clone=IMAGE:2387307 /clone_end=3'	-1	ACTCCACCAAGACTGTGAACTCCACC GGGGTAGGAAGCATATTTTACTCA
5385	Table 3A	Hs.160951	Al760020	5175687	wh83b05.x1 cDNA, 3' end /clone=IMAGE:2387313 /clone_end=3'	-1	GAGAACTCGTTTCAAGGAACTCGATG TTTCCGGGGACCAAGCCCGCCCAG
5386	Table 3A	Hs 340921	Al760026	5175693	wh83c05.x1 cDNA, 3' end /clone=IMAGE:2387336 /clone_end=3'	-1	CCAGCGAATTTCCAGCTTTTGAAACT CAGATTTCCTTTTGCGACCCAGGT
5387	Table 3A	Hs 26873	Al760224	5175891	wh62g06.x1 cDNA, 3' end /clone=IMAGE:2385370 /clone_end=3'	-1	GATGCGCGGCAAGAATGTACCTGTA GATGTGTACATACCACAGTGCTGTA
5388	Table 3A	Hs.14373	AI760353	5176020	yx26h11.r1 cDNA, 5' end /clone=IMAGE:262917 /clone_end=5'	-1	TTTATCTCAGAATCTTGATGAACTCTG AAATGACCCCTGATGGGGGCATG
5389	db mining	Hs.204598	AI760374	5176041	wh87d12 x1 cDNA, 3' end /clone=IMAGE:2387735 /clone_end=3'	-1	GGCCCCTGTCCTTACCTGTTTTCGG CCCCCTTAATTTTTTAACCCCGGG
5390	db mining	Hs.283496	Al760389	5176056	wh87f08.x1 cDNA, 3' end /clone=IMAGE:2387751 /clone_end=3'	-1	GTCACAGTGTAGACACATGGTGCTTC CATAGTGAGTAGAATATCCATTGT
5391	db mining		AI760556		wi10d09.x1 cDNA, 3' end /clone=IMAGE:2389841 /clone_end=3'	-1	GTGGCCTGGCCTGGCTCTCACAGAC CCAAGGCTTCCGTGTAGAATATGTC
5392	· ·		Al760674		wh96b04.x1 cDNA, 3' end /clone=iMAGE:2388559 /clone_end=3'	-1	GGATTGTGGCAGGAACTGTTTCCCCT CCCAGCCTTAAATTTTTCTGTGTT
5393	db mining		AI760699		7f34c12 x1 cDNA, 3' end /clone=IMAGE:3296566 /clone_end=3'	-1	AAACCCACACCTCAGTGAATTTAAAA GAGTAGATGTTTTAAAAGACCGGA
5394	db mining	Hs 264654	Al760835	5176502	wh96f11.x1 cDNA, 3' end /clone=IMAGE:2388621 /clone_end=3'	-1	TGCCATTTGGTATTTTTTCCTGAAACA TTACATAATAAGAATGCAGCATGC

Table 8

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5395	Table 3A	NA	Al760901	5176568	wi09h06.x1 NCI_CGAP_CLL1 cDNA	-1	GCCTGAAACCATCCTGCCTTCTAGGA
5396	db mining	Hs 230931	Al760991	5176658	clone IMAGE:2389787 3', mRNA wh97b11.x1 cDNA, 3' end	-1	AGACAGCAATTCTGGAAGAGCAAG GGTGGTTCCCCAGCCCTTTTCCCTGG
0000	as mining	110 200001	711,00001		/clone=IMAGE:2388669 /clone_end=3'		CCCTGGGTTGGAAAATTTGTTTTC
5397	db mining	Hs.328494	Al761029	5176696	wi10d06.x1 cDNA, 3' end /clone=IMAGE:2389835 /clone_end=3'	-1	AAAACCTTTCGCCCGGCTTAAAATTT ACCGGGGTTTGGTTT
5398	Table 3A	Hs 98531	Al761058	5176725	wi69b03 x1 cDNA, 3' end /clone=IMAGE:2398541 /clone_end=3'	-1	CTCCTTGGTGTCATGCAACTGAGGAA CCTAATTGGCTGGGTGGGTTGTTC
5399	Table 3A	Hs.205452	Al761141	5176808	wh97g08.x1 cDNA, 3' end /clone=IMAGE:2388734 /clone_end=3'	-1	GTTTGTAAAAGAACCTGCCACATTTG TTGAAAAGTTAGAGCCATCACAGC
5400	Table 3A	NA	Al761144	5176811	wh97h01 x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2388721 3', mRNA	-1	CTCTTGGCTGCTGGCCTTTTGTTCTT GTCATGGCTCATTAGCTCCCTAAA
5401	db mining	Hs.328495	Al761468	5177135	wh98e07 x1 cDNA, 3' end /clone=IMAGE:2388804 /clone_end=3'	-1	CCAGGGGTTTTTAAATTTTCTGAAGTT TTTGGGGCCATTTTGGTTGTTGG
5402	Table 3A	Hs 80887	Al761622	5177289	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN),	-1	CCCCGCTTGCCTTTTATTTCAGAACC CCAAGTATTACCCAATATGTTACA
5403	Table 3A	Hs.289834	Al761924	5177591	mRNA /cds=(297,1835) wg68h03.x1 cDNA, 3' end /clone=IMAGE:2370293 /clone_end=3'	-1	GCCGAAGCTCACAGAGGCTAAGTTA CACGCTTAGGTGTTCTTATTCCTAC
5404	Table 3A	Hs.204610	Al762023	5177690	wh89f04.x1 cDNA, 3' end /clone=IMAGE:2387935 /clone end=3'	-1	AACCAGGTTTATGATGCTGTAATAAA CCATGGCATTAAAGAGGGCAAGAG
5405	db mining	NA	AI762156	5177823	wh90e05.x1 NCI_CGAP_CLL1 cDNA	-1	GGGTTAAGGAGGGCCGCTCCAAAAT
					clone IMAGE:2388032 3' similar to gb:X64707 BREAST BASIC CONSERVED PR		TTTCCTTTTTCCCAGGAAGCCCTTG
5406	db mining	Hs.204771	Al762177	5177844	wh90g09.x1 cDNA, 3' end /clone=IMAGE:2388064 /clone_end=3'	-1	ATGCTGTGAGTGGTACACATGGCTGA GGTTATGATCTGTTAAAATATGTA
5407	Table 3A	Hs.205327	Al762557	5178224	wh92f07.x1 cDNA, 3' end	-1	TTCATTAATTCCTCAACCCAATACTGT
5408	db mining	Hs.328503	AI762707	5178374	/clone=IMAGE:2388229 /clone_end=3' wh93d06.x1 cDNA, 3' end	-1	CTGGCTTCCACCAACAGGAGCGG TGGTTTCTATTTTAAAAACCTGGGTTA
5409	db mining	Hs.204477	Al762719	517 939 6	/clone=IMAGE:2388299 /clone_end=3' wh93e10.x1 cDNA, 3' end	-1	GGCCAAGGTTTGGGGTTCGCCCT CAACATTGCCTACCAGTTGCAGTTCA
					/clone=IMAGE:2388330 /clone_end≈3'		TTAGCCCCGTCCGCCCCAGCATTG
5410	db mining	Hs.205815	Al762739	5178406	wh93g11.x1 cDNA, 3' end /clone=IMAGE:2388356 /clone_end=3'	-1	CCTTTGGGGTGGGGGCTTTTTCCTTT TTGGCCGGTTCAATTAAGGTTTTT
5411	Table 3A	NA	Al762741	5178408	wh93h02.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2388339 3', mRNA	-1	CCCACTCCGGCTGTTTTAGAAGTTTT CCCGAATCCGTGATCCCTTTACAA
5412	db mining	NA	Al762797	5178464	wi04c12.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2389270 3' similar to	-1	AATGGGCAAATTTTACCCAAAACTTA AGCTTGCCTATTCCGTTTGAGGCA
5413	Table 3A	Hs.333513	AI762870	5178537	TR:Q61655 Q61655 EUKARYOTIC wi63c07.x1 cDNA, 3' end /clone=IMAGE:2397996 /	-1	GAAGGAGAGGCACACACAAATACAC ACACTCACACAAAACTCAACAACCA
5414	db mining	Hs.204480	AI762931	5178598	wh94e08.x1 cDNA, 3' end /clone=IMAGE:2388422 /clone end=3'	-1	GGATACCCCCTTTATCCCGAGGGAAT TTTTACCCTTTGGATGCCTTTAAA
5415	db mining	Hs.289836	Al762955	5178622	wh94g12.x1 cDNA, 3' end /clone=IMAGE:2388454 /clone_end=3'	-1	CAAATTACAAACCTAAAAATACAGAA CATCAGCGGAGAAGACAGGAGAGC
5416	db mining	Hs.277238	AI763079	5178746	wh95a12.x1 cDNA, 3' end	-1	CTCCTCCCTTGGGTGGGACCTGGGT
5417	Table 3A	Hs.173904	Al763121	5178788	/clone=IMAGE:2388478 /clone_end=3' wi06d12.x1 cDNA, 3' end	-1	TGGGGGTTTGATAGAAAAATTAACC GGTTAAACTAGATCCCTGCAAGGCCA
5418	Table 3A	Hs.190453	AI763206	5178873	/clone=IMAGE:2389463 /clone_end=3' wh95e09.x1 cDNA, 3' end	-1	AGTGGGTTATTTTAGATCTTTTCCTG
5419	db mining	Hs.283500	AI763225	5178892	/clone=IMAGE:2388520 /clone_end≈3' UI-H-BW1-anj-a-06-0-UI.s1 cDNA, 3'	-1	GGGTTCAGGTCACATAGCTTAACT TGTTTGGGTATATTGTTTGGGTTTTG
5420	Table 3A	Hs.130059	Al763262	5178929	end /clone=IMAGE:3082282 wi66c04.x1 cDNA, 3' end	-1	GGCACTAGGATGGGTGACTCAGGG GCCAGTGAATCTAGTTTTGGCTATTC
5421	db mining	Hs.328504	AI763414	5179081	/clone=IMAGE:2398278 /clone_end≈3' wh92a11.x1 cDNA, 3' end	-1	TGTATTTTGTCCAGTTTTTCCCAT AACCATTTTCCCCCGGGAACCCGTTT
5422	Table 3A	Hs.36137	Al765153	5231662	/clone=IMAGE:2388188 /clone_end≈3' hepatocyte nuclear factor 3, gamma	-1	TGCCTGGTTTCGGATTTTTTACCC CCGGGAAGCGGGGTACTGGCTGTGT
5423	db mining	Hs.340947	Al766625	5233134	(HNF3G), mRNA /cds=(0,1043) wi01f06.x1 cDNA, 3' end	-1	TTAATCATTAAAGGTACCGTGTCCG TTTTTCCCCCTCCCAAATTCACTGCAT
5424	Table 3A	NA	Al766638	5233147	/clone=IMAGE:2388995 /clone_end≈3' wi02a10.x1 NCI_CGAP_CLL1 cDNA	-1	TACAGTTTTTGAAACAGAACGGG TACGAGAAGTCAGGAAGTTTTGAAAT
5425	db mining	Hs.210276	Al766656	5233165	clone IMAGE:2389050 3', mRNA wi02d04.x1 cDNA, 3' end	-1	GGCAGTGACAGGAGACGGGGGAAG AAGGGCAGGCAAATCAATTAAAATTA
5426	Table 3A	Hs 223935	Al766706		/clone=IMAGE:2389063 /clone_end=3' wi02g11.x1 cDNA, 3' end	-1	GCCGTAACAACAACCTCGGGGGTG AGTACACGGCCCTCAAAAGTTATATG
5427	Table 3A	Hs.89104	Al766963		/clone=IMAGE:2389124 /clone_end≈3' 602590917F1 cDNA, 5' end	-1	TGCTGAATGTAACCTACTTAGCGA TTGTTTTAACAACTCTTCTCAACATTT
					/clone=IMAGE 4717348 /clone_end=5'		TGTCCAGGTTATTCACTGTAACCA
5428	Table 3A	Hs.209511	AI768880	5235389	wh71e04.x1 cDNA, 3' end /clone=IMAGE:2386206 /clone_end=3'	-1	CTTCTCCACCTCGGCCAGGTATAGG GCCAGCTTCTCGTCTCTGGGATCCG
5429	Table 3A	Hs 203594	AI796317	5361780	uncharacterized gastric protein ZA43P mRNA, partial cds /cds=(0,134)	-1	GCCAGGTCATTGTATAGGGAGTAAGA TGAAGGTGAATTTGCAGCTAGTTG

Table 8

5430	Table 3A	Hs 230939	Al796419	5361882	wj17f02.x1 cDNA, 3' end	-1	TGTGTTTTGTTTTTCTGGTCCCAGGG
5431	db mining	Hs.291079	Al797561	5363033	/clone=IMAGE:2403099 /clone_end=3' 602437732F1 cDNA, 5' end	-1	CACCGTTTGTTTTGTGAACTCCTC CATGGCTCTAAAATTTGGAATTAACTT
5432	Table 3A	Hs 159577	Al797788	5363260	/clone=IMAGE:4555638 /clone_end=5' wh78b11 x1 cDNA, 3' end	-1	CTCTTGCCTTAAGAGCTGCTTGT GCTGGTGGGAAGTTGAGCCATGTTTA
					/clone=IMAGE:2386845 /clone_end=3'		TCTCTAGTGGAATCCTTACCTTGT
5433	db mining	Hs 207473	Al797813	5363370	wh79c04.x1 cDNA, 3' end /clone=IMAGE:2386950 /clone_end≈3'	-1	CATGTTTACACAAATTCCTTCAAAGC CCCTTAAACATGGGGCCGGGCC
5434	db mining	Hs.171110	Al797852	5363409	7e88g03.x1 cDNA, 3' end	-1	ACCCTAATAGCTAGGCTGGGTATATT
5435	db mining	NA	Al797901	5363296	/clone=IMAGE·3292276 /clone_end=3' wh78f12 x1 NCI_CGAP_CLL1 cDNA	-1	TTCAAAGTGTAGCGAAACCCCACG CAGTTGGCCTCCTACAATTGGGAATT
					clone IMAGE:2386895 3' similar to contains Alu repetitive element,, m		CTACCAAGCTCCAAGTTGACCTGG
5436	db mining	Hs.226571	Al797916	5363311	DKFZp434G046_s1 cDNA, 3' end	-1	GGATTCCCGACAAAGGCTTGATGTGT
5437	db mining	Hs.223520	AJ797988	5363460	/clone=DKFZp434G046 /clone_end=3' wh80a02.x1 cDNA, 3' end	-1	ACTTGAAGTGAGCAAAGGGTTTTG GGGTGGGAGACAGGCTAATCCTTTC
£400	•	Un 207060	A1709007		/clone=IMAGE:2387018 /clone_end=3'	4	CCCTTGTTTTCCACGTCTTTATGAC
5438	db mining	Hs.207062	A1/9002/	5353499	wh80e09.x1 cDNA, 3' end /clone=IMAGE:2387080 /clone_end=3'	-1	ACAACCTTCTTAATATATTAGAGACCC GCAGGAAACATTTAGTGGTGAAAC
5439	db mining	Hs.341012	Al798028	5363500	wh80f11.x1 cDNA, 3' end /clone=IMAGE:2387085 /clone_end≈3'	-1	GTACATGTTTGTGTGCTAAATTGCTC ATTTGGCAGTGATAGATTGAAAAAC
5440	db mining	Hs.229494	Al798100	5363583	wh81d01.x1 cDNA, 3' end	-1	GGGGGTCAAAGAGGGTACAAATGTA
5441	db mining	Hs.328535	Al798101	5363584	/clone=IMAGE:2387137 /clone_end=3' wh81d02.x1 cDNA, 3' end	-1	TGGGGGTATATTGAATGCTAAACAT GGGAGCCCGTTTTAGAAGGAAGGGC
5442	db mining	Hs.210307	Al798114	5363576	/clone=IMAGE 2387139 /clone_end=3' wh81c01.x1 cDNA, 3' end	-1	AAAAGTAGGGTTTTTAACCCAAACG TCCGTCCCATTCCCCCGGAAAACAAG
	_				/clone=IMAGE:2387136 /clone_end=3'		GTTTTGAATTGGCCCGTAAAAGGG
5443	Table 3A	Hs.209609	Al798144	5363616	wh81g12.x1 cDNA, 3' end /clone=IMAGE:2387206 /clone_end=3'	-1	ACGTCCTTATACAATGCACTGTTTGA TTTTTAAACAATACCTGAAGGGCT
5444	Table 3A	Hs.158989	Al799909	5365381	602666595F1 cDNA, 5' end	-1	ACTCAATACTCGGGAAAGGCTTCACA TTTCTGGGACTCAGCATTATCCAA
5445	Table 3A	Hs.135167	Al802181	5367664	/clone=IMAGE:4806358 /clone_end=5' AV712376 cDNA, 5' end	-1	TTGAGAGGCAACACTTAAACACTAGG
5446	Table 3A	Hs.195175	AI802547	5368019	/clone=DCAAND12 /clone_end=5' mRNA for CASH alpha protein	-1	GCTACTGTGGCATCTATGTAGACA AGCCCTTTCTTGTTGCTGTATGTTTA
5447	Table 3A	Hs 25648	Al803065	5368537	/cds=(481,1923)	-1	GATGCTTTCCAATCTTTTGTTACT GGGGTATGGTTTAGTAATATCCACCA
3447	rable 3A	NS 20046	A1003005	3300337	tumor necrosis factor receptor superfamily, member 5 (TNFRSF5),	-1	GACCTTCCGATCCAGCAGTTTGGT
5448	Table 3A	Hs.301209	AI804629	5370101	mRNA /cds=(47,880) myeloid/lymphoid or mixed-lineage	-1	AACAACAACAGCAAAATCCCCTTAGT
					leukemia (trithorax (Drosophila)		GCGTAACTTGAAATTCCCTTCGGC
					homolog); translocated to, 10 (MLLT10), mRNA /cds=(183,3266)		
5449	db mining	Hs.209261	AI805106	5391760	tc90g10.x1 cDNA, 3' end /clone=IMAGE:2073474 /clone_end=3'	-1	TTGTAAGTGGGTGCATAAGAAGATCT CTTCAATTAAATGCCCCCGCTGGT
5450	Table 3A	Hs.187698	Al805111	5391765	cytomegalovirus partial fusion receptor	-1	ATAATTAAGAAATCAGCCGTGTGCTT
5451	Table 3A	Hs.167206	Al805131	5391785	mRNA, partial cds /cds=(0,1037) 602727149F1 cDNA, 5' end	-1	CTCACGTTTGGGCTCCGAGACGTG GTCAGTCTCCTCACCTGCCTCTGCTC
5452	db mining	NA	Al805144	5391798	/clone=IMAGE:4866348 /clone_end≈5' td11g08.x1 NCI_CGAP_CLL1 cDNA	-1	CTCGCTTAGCCCATTGATTGCATC GGGAAGAAGCCCGTGCCCCACCCA
•					clone IMAGE:2075390 3' similar to	·	ATAAATGTTGGTTTTGGCCCTGATG
					gb:L24038_rna1 A-RAF PROTO- ONCOGENE		
5453	db mining	NA	Al805257	5391750	tc90f09.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2073449 3', mRNA	-1	CAGAACTTCTGGCGAAGGCCATGTAA GAACTACTCCAAGGAGGAAGAGGC
5454	Table 04		A1007070	5000044	sequence	_	
5454	Table 3A	NA	Al807278	5393844	wf38h03.x1 Soares_NFL_T_GBC_S1 cDNA clone IMAGE:2357909 3', mRNA	-1	CTCTACCATAAGGCACTATCAGAGAC TGCTACTGGAGTGTATATTTGGTT
5455	db mining	NA	AI808039	5394527	sequence wf52h02.x1 Soares_NFL_T_GBC_S1	-1	ACTGCTACAGCTTAACCATTGTTCCA
	3				cDNA clone IMAGE:2359251 3' similar to TR.Q62845 Q62845 NEURAL CELL		AGCTAATTAAATTACCTTTGGGGA
5456	Table 3A	Hs.87912	Al808931	5395497	EST379776 cDNA	-1	CAATTGTGATTTGGAAGGTTTAACTG
5457	db mining	Hs.209989	AI809181	5395747	wh75d05.x1 cDNA, 3' end	-1	GGTCTGCCCAGATGTTTACGAATA TCCAAGCAAAAGTTATGCAATAAGAC
5458	db mining	Hs.230485			/clone=IMAGE:2386569 /clone_end=3' wh75d08 x1 cDNA, 3' end	-1	AGAATATAAAGTCTCCGAGAGCCT GGGTGGGGTGGGGTG
	-				/clone=IMAGE:2386575 /clone_end=3'	-1	GAGTAAGGACCTTCAGAATTAATAT
5459	db mining	Hs 292761	Al809305	5395871	wh75g11.x1 cDNA, 3' end /clone=IMAGE:2386628 /clone_end≈3'	-1	TGCAGTTCTTATTTTCTTTTGCCTGTG ATAATTGCAAATCCGTCAATAGAA
5460	Table 3A	Hs.210385	Al809310	5395876	wh75h08.x1 cDNA, 3' end /clone=IMAGE:2386623 /clone_end=3'	-1	TGCAAGTTTCTGAGACTGTGAAAAGT GTTTTGCTTCTTTTGTTACCCAAT
5461	db mining	Hs 90463	Al809378	5395944	wa27e12 x1 cDNA, 3' end	-1	TCCCAGCGAATGTGAATCATTTAGTG
5462	Table 3A	Hs.257466	Al809475	5396041	/clone=IMAGE:2299342 /clone_end=3' UI-H-BI3-ald-e-08-0-UI.s1 cDNA, 3'	-1	TGCTACTCAAAATTAGGTGTCCAC TAAGATGTAGGGGCCACCGGCCAGC
					end /clone=IMAGE 2736471		AGTACCCAGCAATGACCACTATCAG

5463	db mining	Hs.208153	Al809564	5396130	wh76e01.x1 cDNA, 3' end	-1	ATAAATGAAAGCATACCAAGTGCTGT
5404	dla suissona	Un 04040C	A1000740	E200240	/clone=IMAGE:2386680 /clone_end=3'	4	CCATTCCATAGGTACACCTAGGA
5464	db mining	Hs 310486	A1809746	5396312	7e96g11 x1 cDNA, 3' end /clone=IMAGE 3293060 /clone_end=3'	-1	CTGGTATTCTGAGGTCAGATGTAGGC TGTTGCTCGCTCCGGCTGGGTCTC
5465	Table 3A	Hs 277293	Al811065	5397631	tr03f05.x1 cDNA, 3' end /clone=IMAGE 2217249 /clone_end=3'	-1	CCATCGGGGTATTGGGGTTTTGGG CTGAATTTACTTGATTATTGGAAAA
5466	Table 3A	Hs.86693	AI817153	5436320	EST380760 cDNA	-1	GCCAGATTGTGGCAGGTAAAGAGAC AATGTAATTTGCACTCCCTATGATA
5467	Table 3A	Hs 230492	Al818596	5437675	wk74d04 x1 cDNA, 3' end /clone=IMAGE:2421127 /clone end=3'	-1	TTTAAAAAGGAGGAGGATTTCTGGG TTAAAACTTTTATTTGGCCCCCAT
5468	Table 3A	Hs 229990	Al818777	5437856	wi11f10.x1 cDNA, 3' end /clone=IMAGE:2424619 /clone end=3'	-1	TAAAACCCAAGACTTCAGATTCAGCC GAATTGTGGTGTTTCACAAGGCCG
5469	Table 3A	NA	AI818951	5438030	wj89e12.x1 NCI_CGAP_Lym12 cDNA clone IMAGE:2410030 3' similar to WP:C11H1.7 CE18492 ;contains Alu r	-1	CTAAGCATGGGGAAGGGGGCAGAGT GAGGACTGTGCCATTGATTAAAGTG
5470	Table 3A	Hs.51039	Al823541	5444212	KIAA0076 gene product (KIAA0076),	-1	GTACAGAAACATATTCCATGCTTTGA
5471	Table 3A	Hs.211535	Al823649	5444320	mRNA /cds=(86,5182) wi85g03.x1 cDNA, 3' end	-1	AATAAAGGGAAGTGCTCTCCTGTT GAAGCCTTTTCTTTT
5472	Table 3A	Hs.304477	Al824522	5445193	/clone=IMAGE.2400148 /clone_end=3' tx71d03.x1 cDNA, 3' end	-1	ACCAAGAGCACAACTTAAATAGG ACCGATCGTTTTTAGGATAATATGCA
5473	db mining	Hs.270624	Al825096	5445859	/clone=IMAGE:2275013 /clone_end=3' 7b65e05.x1 cDNA, 3' end	-1	TGTTTCAAGTGGTATTGAAACCCCC TGAGGGACAGGCTGCCTAAAGTCTAA
5474	Table 3A	Hs.117906	Al825645	5446316	/clone=IMAGE:3233120 /clone_end~3' wb75b09.x1 cDNA, 3' end	-1	TTGGAGAGTTAACCTAATGTCTGT CACCATCGTGGCTCTGAGAACTGAC
5475	Table 3A	Hs.229993	Al827451	5448122	/clone=IMAGE:2311481 /clone_end≈3' wl17d11.x1 cDNA, 3' end	-1	GCCGTGAATGTTGACCTGAGTGCCG GGGGAGAGACCACCCTAGACATTTG
5476	Table 3A	Hs.181400	Al827911	5448669	/clone=IMAGE:2425173 /clone_end=3' 602650370T1 cDNA, 3' end	-1	CATTTTTGTAAGTTAGCCAGCCAAT TGGATAAATCTGAGCAACTTTCTTCTT
5477	Table 3A	Hs.342617	Al827950	5448708	/clone=IMAGE:4761353 /clone_end=3' ha15h10.x1 cDNA, 3' end	-1	TGTGCTCCAGGAACCTACGCACT TGTGGGTTTTGATTGACATACTGTTG
5478	Table 3A		Al829569		/clone=IMAGE:2873827 /clone_end=3' wf28e02.x1 cDNA, 3' end	-1	TTCATGCTGAAGTTTGAGTGTCGT GGTGTGCAGTCCGCCTGAAAGCCTT
					/clone=IMAGE:2356922 /clone_end=3'		CCCTTTAGCTATTAGGAATTGAGTC
5479	db mining	Hs.289878	A1831819	5452490	wh84f12.x1 cDNA, 3' end /clone=IMAGE:2387471 /clone_end≈3'	-1	ACATTGGAAAGAAACCCTACAACTGT AATGAATATGAAAAGAATTGTCTAAAA
5480	Table 3A	Hs.341177	Al832038	5452709	wj99e02.x1 cDNA, 3' end /clone=IMAGE:2410970 /clone_end=3'	-1	AAAACCGTTTTCCCCATACATAAAGA ACAGGGGTACTCCCGCCCTGATGG
-5481	Table 3A	Hs.210995	Al832182	5452853	td13h11.x1 cDNA, 3' end /clone=IMAGE:2075589 /clone end=3'	-1	TTTGGTGAAGTGAAAGAGAGAAGTTG CTCTAAAAGGTTGGAAACCAGCCC
5482	Table 3A	Hs.249031	Al832183	5452854	wh80g09.x1 cDNA, 3' end /clone=IMAGE:2387104 /clone_end=3'	-1	TGGACTGTTGTAATGTTTTGCGTTAT CAAAATGAAAACTGCCAAATGAGA
5483	Table 3A	Hs.63908	Al858771	5512387	hypothetical protein MGC14726 (MGC14726), mRNA /cds=(21,653)	-1	GCTTTGAGTTTTGGGATGGTCACATG ACACAATCCAGCACTTGAACCTGA
5484	Table 3A	Hs.252259	Al859076	5512692	ribosomal protein S3 (RPS3), mRNA /cds=(22,753)	-1	AGAGCCATTCCCACAAAGTAAATGTG CAGTGCCCATGTTTCTTGTGTTTA
5485	Table 3A	NA	Al860120	5513736	wh39e01.x1 NCI_CGAP_Kid11 cDNA clone IMAGE:2383128 3', mRNA	-1	GACTCTGAGAGAGAGCGACGGCCAT CATAGAACAGCGAAGGCAGTCGATC
5486	db mining	Hs.156811	Al862332	5526439	hz33g10.x1 cDNA, 3' end /clone=IMAGE:3209826 /clone_end=3'	-1	ATCGATGAGAAGAGTCTGCAAAACAC TTCATCCTCAGGACGTGCTGTCCT
5487	db mining	Hs.304508	A1862595	5526702	wh99g01.x1 cDNA, 3' end	-1	ATATATTAAACCACAGGTATTAGAGA
5488	Table 3A	NA	Al862623	5526730	/clone=IMAGE:2388912 /clone_end=3' wh99h10.x1 NCI_CGAP_CLL1 cDNA	-1	CATGAATTGCACCCAACACAAGCT ATTCATTCGGGTCTTCCTTCCTG
5489	Table 3A	Hs.181426	Al865427	5529523	clone IMAGE:2388931 3', mRNA EST367815 cDNA	-1	CCCCCTTCCTTCCATTGGCACCTC TCAGTTTTGTGGAATCTGGTGTTTGC
5490	Table 3A	Hs.341208	Al865603	5529710	wk47g03.x1 cDNA, 3' end	-1	ACTATAGGTTAAGAGTTGCCATTT TGTGTGGTGGGGGGTGCTTTTGAGGTT
5491	Table 3A	Hs 9788	Al866194	5530301	/clone=IMAGE:2418580 /clone_end≈3' hypothetical protein MGC10924 similar to Nedd4 WW-binding protein 5	-1	GGAGGAAAGTAGAGACAGCGAAAC TGTGCTTTTTGCCCAAGTGGTAATTC ATCTTGGTTTGCTATGTTAAAACT
5492	Table 3A	Hs.224760	Al874107	5548156	(MGC10924), mRNA /cds=(104,769) wm49b01.x1 cDNA, 3' end	-1	CTTTGGGGACCTAAACCCCAGGTGG
5493	Table 3A	NA	Al880542	5554591	/clone=IMAGE:2439241 /clone_end=3' at80h05.x1 Barstead colon HPLRB7	-1	TCTCTTGGTGTTAATAATGCTGGAA AAATCGCGGTCGCCTTAATCCAAGCC
E404	Tobio 24	Un 200050	A1000007	EEE 1050	cDNA clone IMAGE:2378361 3' similar to SW:ATP6_HUMAN P00846 ATP SY	4	TAGGETTTCACACTTTTAGTAAGC
5494	Table 3A	Hs 220850	Al880607		ym91d11.r1 cDNA, 5' end /clone=IMAGE:166293 /clone_end=5'	-1	TGGGGCACTTTGAAAACTTCACAGGC CCACTGCTGCTTGCTGAAATAAAA
5495	Table 3A	Hs.89414	Al884548		chemokine (C-X-C motif), receptor 4 (fusin) (CXCR4), mRNA /cds=(88,1146)	-1	GACATTCATCTGTTTCCACTGAGTCT GAGTCTTCAAGTTTTCACTCCAGC
5496	Table 3A	Hs 23096	Al884671		602254146F1 cDNA, 5' end /clone=IMAGE 4346626 /clone_end=5'	-1	TGGCGAGGATAAATAGAGGCATTGTT
5497	db mining	Hs.34650	Al885574	5590738	602286784T1 cDNA, 3' end /clone=IMAGE.4375724 /clone_end=3'	-1	TGGCTCTCCTCTTTGTAATATACAGG GTGAACTCTTTACTGATACACACA
5498	Table 3A	Hs 121572	Al886313	5591477	EST387650 cDNA	-1	CCAGTGTCCTGCATGGGTGCTAGGC TGAATTATTTGTAATTGTGCTTAGG

	5499	Table 3A	Hs 213385	Al912585	5632440	we11d07 x1 cDNA, 3' end	-1	ACCGTCTTTTGTGATTCCCTGGAAAC
	5500	Table 3A	Hs.228486	Al917348	5637203	/clone=IMAGE:2340781 /clone_end=3' ts83d10 x1 cDNA, 3' end	-1	AGCCCTGGGTAGCCAAGTGATTTTCC
	3300	Table 5A	113.220400	A1011040	3037200	/clone=IMAGE:2237875 /clone_end=3'	•	CATTCCCAAAGTTAGTAAACCTTT
	5501	Table 3A	Hs.179391	Al917642	5637497	wi52d11.x1 cDNA, 3' end /clone=IMAGE:2393877 /clone_end=3'	-1	GCAGGAAAGATGGGGTGGTGGACTG TTTTTGCCTACTTTTTGTTTTTGAA
	5502	Table 3A	Hs 337286	Al922889	5658853	wn64g11 x1 cDNA, 3' end	-1	CCCCTGAAACTGGCATTTTGTAAAT
						/clone=IMAGE:2450276 /clone_end=3'		GTGGTTTGACTATTTTTGTATGTT
	5503	Table 3A	Hs 212553	Al922921	5658885	wn81c05.x1 cDNA, 3' end /clone=IMAGE.2452232 /clone end=3'	-1	ACCTGGAGAATTCCCTAAGGCCAAAG CAAGGTAACAGGGACTTCAGTTTT
	5504	Table 3A	Hs 58643	Al926251	5662139		-1	GCCTCAGTACAAAGGGGGCTTTGGA
	EEOE	Table 2A	Hs 40328	Al927454	5662419	/clone=IMAGE:4564968 /clone_end=5' nab63b04 x1 cDNA, 3' end	-1	AGTGTTTGTTGGCTGAATAAAGGAA ACCCATGCCAATTGAAGAACGTGTTA
	5505	Table 3A	NS 40320	A1921404	3003416	/clone=IMAGE:3272383 /clone_end=3'	-1	AAGATGAGGAGGAGATGTACCA
	5506	db mining	Hs.154366	Al934956	5673826	ng40b06.s1 cDNA, 3' end	-1	GCACATTCCTTCCTTATATCCTGGAA
	5507	Table 3A	Hs.101370	Al936516	5675386	/clone=IMAGE:937235 /clone_end=3' AL583391 cDNA	-1	GCACCCAGATATTCTTCATGTCCC TTAAGTCATCTGCTGAGCAGTGTGCT
	0001	rubio or t	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7.11000010		/clone=CS0DL012YA12-(3-prime)		GTGTCAACCTCCTCCTAGGTAACC
	5508	Table 3A	Hs.180446	Al948513	5740823	importin beta subunit mRNA, complete	-1	CAGGGTATCAGATATTGTGCCTTTTG GTGCCAGGTTCAAAGTCAAGTGCC
	5509	Table 3A	Hs.71245	Al954499	5746809	cds /cds=(337,2967) zl17f11.r1 cDNA, 5' end	-1	TGGTAATAGTGTTTGACTCCAGGGAA
						/clone=IMAGE:502221 /clone_end=5'		GAACAGATGGGTGCCAGAGTGAAA
1	5510	Table 3A	Hs.118820	Al955314	5747624	Homo sapiens, clone IMAGE:3357862, mRNA, partial cds /cds=(0,325)	-1	TCAAGTATACCATTTAAAATATTTCAT CAGGCAGAGCCCTGACCAGGAAA
,	5511	db mining	NA	Al961962	5754664	wt40g09.x1 NCI_CGAP_Pan1 cDNA	-1	CTTTTCCGGTTGCCCGAGGATGCTTG
<i>)</i>						clone IMAGE:2509984 3' similar to		GGAAGGAACCCGTCTCCCTTCTTC
;	5512	Table 3A	Hs.341528	Al962127	5754840	gb:M87789 IG GAMMA-1 CHAIN C wx77f07.x1 cDNA, 3' end	-1	TCCCCAAACCCCCTTAAAGGTTTTTA
; }						/clone=IMAGE.2549701 /clone_end=3'	4	AATTGTTTCAAATCTGGGCAAGTT
	5513	Table 3A	Hs.37121	Al968387	5765205	phospholipase C, beta 3 (phosphatidylinositol-specific) (PLCB3),	-1	GACTCGGAGAGCCAGGAGGAGAACA CGCAGCTCTGAACTGGCTGAGCGAG
						mRNA /cds=(0,3704)		
	5514	db mining	Hs.13034	Al969716	5766534	hv63f09.x1 cDNA, 3' end /clone=lMAGE.3178121 /clone_end=3'	-1	CTGTTGTGAATCATTTGTGTCCTTTTC AACTGTCTTTCAGAGGAAAGGTA
	5515	Table 3A	Hs.193247	Al978581	5803611		-1	AAGAAGCAACCACAGCTAATTTTAGA
	F. F. 4.0	T-11-04	11- 450	A1004074	5044000	(DKFZp434A171), mRNA	4	ACATGCACTCTGACAGAAAAGACA
	5516	Table 3A	Hs.153	Al984074	5811293	ribosomal protein L7 (RPL7), mRNA /cds=(10,756)	-1	GCTTTTGAGGACCTTTCTGGAGGAAA GGAAAAGCCTGTTTTGGGGAGTCT
	5517	Table 3A	Hs.7557	AL042081	5421426	FK506-binding protein 5 (FKBP5),	-1	AGGCTGCATATGGATTGCCAAGTCAG
	5518	Table 3A	Hs.133262	AL044498	5432716	mRNA /cds=(153,1526) DKFZp434I082 s1 cDNA, 3' end	-1	CATATGAGGAATTAAAGACATTGT AAGACTAGAGCTACACTAGGCCACTA
	0010	Table of t	110.100202	712044700	0 1021 10	/clone=DKFZp434I082 /clone_end=3'	•	TCTTATTACACGACAGCACAACAT
	5519	Table 3A	Hs.39911	AL138429	6855110	mRNA for FLJ00089 protein, partial cds /cds=(62,1111)	-1	TTAAGAACCCCAAAGATTAAAGGAAA CAATGTTAAGGGCTTTTGTGAGGA
	5520	Table 3A	Hs.89986	AL515381	12778874	cDNA /clone=CL0BB017ZH06-(3-	-1	CGGAAGTCGAAATCAAATCTATGCTT
	EE04	Table 0A	He page	A1 500505	40704000	prime)		TTAATTGAAACCGTGCCTGAAACG
	5521	Table 3A	Hs.9096	AL520535	12784028	hypothetical protein FLJ20473 (FLJ20473), mRNA /cds=(57,1472)	-1	TCTTCACCAGGTTCAAGCTCCGTGGG CCACACTGCTGCTGTGCCAAGAAG
	5522	Table 3A	Hs.13144	AL521097	12784590	HSPC160 protein (HSPC160), mRNA	-1	GATACACTGTCCAGCCCAGGTCCAG
	5523	Table 3A	Hs.118142	AI 522477	12785970	/cds=(53,514) AL522477 cDNA	-1	GCCCTAGGTTCTTTACTCTAGCTAC TGGAATTTACTAAATTGTGAAATTAAC
						/clone=CS0DB008YK14-(3-prime)		GTAACCGAAGCAACAACCGGCAA
	5524	Table 3A	Hs.295112	AL528020	12791513	KIAA0618 gene product (KIAA0618), mRNA /cds=(1041,4040)	-1	GCGGGAGGCTGGGACTTTCCATTAC AAATAGAGACTTCATTCCTGTTGAG
	5525	Table 3A	Hs.26670	AL540260	12870241	AL540260 cDNA	-1	ACTCAGGTGGTGCTGGTGTTAGTGAT
	5526	Table 3A	Hs.285013	A1 543900	12876379	/clone=CS0DF032YF03-(3-prime) putative HLA class II associated protein	-1	GCTGGAGAAGAGAATATTACTGGT CAGGTTGCTTTCGTGTCCCTCTTCTG
	0020		113.200010	7120-10000	12070010	I (PHAP1), mRNA /cds=(148,897)	•	GTTGCTTTAGAAGTGACGTGTAAT
	5527	Table 3A	Hs 183232	AL561892	12909772	hypothetical protein FLJ22638 (FLJ22638), mRNA /cds=(12,476)	-1	AAACACAGCCCACCCCATTTCAGACC GCCTTCCTGAGGAGAAAATGACAG
	5528	Table 3A	Hs.21812	AL562895	12911771	AL562895 cDNA	-1	GCTAACTGGATAAAGTTTGTGCAGAC
	5500	Table 04	U= 04040	A1 500005	40044774	/clone=CS0DC021YO20-(3-prime)		ATTCCTGAGTGTACGATATTGACC
	5529	Table 3A	Hs 21812	AL562895	12911771	AL562895 cDNA /clone=CS0DC021YO20-(3-prime)	-1	GCTAACTGGATAAAGTTTGTGCAGAC ATTCCTGAGTGTACGATATTGACC
	5530	Table 3A	Hs.181165	AL565736	12917408	eukaryotic translation elongation factor	-1	AGCTGGCTTCACTGCTCAGGTGATTA
	5531	Table 3A	Hs.77393	AL567986	12921892	1 alpha 1 (EEF1A1), mRNA farnesyl diphosphate synthase (farnesyl	-1	TCCTGAACCACCAGGCCAAATAAG AGTCAGGACTGTCTAGGTCAGGGAA
						pyrophosphate synthetase,	•	GCCAAGATGTCTGAAGAGAGAGGAA
		**				dimethylallyltranstransferase, geranyltranstransferase) (FDPS),		
						mRNA /cds=(114,1373)		
	5532	Table 3A	Hs.13256	AL570416	12926702	AL570416 cDNA /clone=CS0Dl020YK05-(3-prime)	-1	ATTCAACCAGTAATGGTACCTGAGGA ATTGAAATGGGTATTTGTTTCTGT
	5533	Table 3A	Hs.180546	AL571386	12928631		-1	AGTGGAGAGGCCCTGTTAGTTTACTT
						/clone=CS0DI009YL09-(3-prime)		TTCATATTGAGTGATGCATGAGGT

Table 8

5534	Table 3A	Hs.21732	AL573787	12933363	AL573787 cDNA	-1	GCATTCTATTTAAAAAGGGAGTGGGG
5535	Table 3A	Hs.23294	AL574514	12034700	/clone=CS0DI055YM17-(3-prime) hypothetical protein FLJ14393	-1	AGCAAATGAAAATTAAATGTGGGG TCACCAGGAAAACATGCTTGTGAATT
3033	Table 3A	113.20204	VC014014	12934190	(FLJ14393), mRNA /cds=(60,1454)		GTGCAGTAAAAGGTGGTAATGACT
5536	Table 3A	Hs.181392	AL575666	12937052	major histocompatibility complex, class I, E (HLA-E), mRNA /cds=(7,1083)	-1	CCTTTTCTCTCCCATGACCCTTTAACA GCATCTGCTTCATTCCCCTCACC
5537	Table 3A	Hs.85258	AL575755	12937231	CD8 antigen, alpha polypeptide (p32)	-1	CTGAGAGCCCAAACTGCTGTCCCAAA
5538	Table 3A	Hs.169610	AL576149	12938006	(CD8A), mRNA /cds=(65,772) mRNA for transmembrane glycoprotein	-1	CATGCACTTCCTTGCTTAAGGTAT TGAGTGAACAAAGCTGTGAAACATTC
					(CD44 gene) /cds=(178,2406)		TGCGTTTATGCAACTTCCTTGCCT
5539	Table 3A	Hs.174905	AL577970	12941605	mRNA for KIAA0033 gene, partial cds /cds=(0,1008)	-1	CAAGAAGACAAGCATCTGTGGTGCG GAGGCAAGCAGGCTAACTAGGAGTT
5540	Table 3A	Hs 5057	AL578975	12943566	AL578975 cDNA	-1	TTGGCCCAGTGTGATTGATTGCTTTA
5541	Table 3A	Hs.279555	AL582047	12949649	/clone=CS0DK012YN01-(3-prime) AL582047 cDNA	-1	TCTTTGGTACTTTACTTGAATGG CATCCAGCACTAATTTTCATGCATTTA
					/clone=CS0DL003YD01-(3-prime)		TGAAAGGATGCCTGAGGACCCTT
5542	Table 3A	Hs.198296	AL582354	12950255	SWI/SNF related, matrix associated, actin dependent regulator of chromatin,	-1	AGCCTGAGGCAAATAAAATTCCAGTA ATTTCGAAGAATGGGTGTTGGCAA
					subfamily a, member 2 (SMARCA2),		
5543	Table 3A	Hs.101370	Al 583391	12952309	mRNA /cds≃(297,5015) AL583391 cDNA	-1	AGGACCTTGACAAGCCGTTTGAGATG
					/clone=CS0DL012YA12-(3-prime)	•	GAATGTAGGCCCTGATGTTATGCT
5544	Table 3A	Hs.101370	AL583391	12952309	AL583391 cDNA /clone=CS0DL012YA12-(3-prime)	-1	AGGACCTTGACAAGCCGTTTGAGATG GAATGTAGGCCCTGATGTTATGCT
5545	Table 3A	Hs.7187	AU158636	11020157	mRNA for KIAA1757 protein, partial	-1	AGTGGAGTGTTTACACCTTGCTGTAA
5546	Table 3A	Hs.86671	AV648638	0000650	cds /cds=(347,4576) 602079785F2 cDNA, 5' end	-1	CATTTGAACTTTCACAAGAGATGT ATATCATATTATTTGATGCCATTAGGC
3340	rable 3A	HS.0007 1	AV048036	9009032	/clone=IMAGE:4254068 /clone_end=5'	-1	GGCCTGGATCACCAATTCTAAGT
5547	Table 3A	Hs.343475	AV648670	9869684	601556208T1 cDNA, 3' end	-1	GCCACCAGACAGAGGACCAGAGTT
5548	Table 3A	Hs 2730	AV650434	9871448	/clone=IMAGE:3826392 /clone_end=3' heterogeneous nuclear	-1	TCTGATTATAAACAATGATGCTGGG TGTTGGTGAGCAATGTGCAGAGGCA
5540	Table 04	11-040500	A1/054045	007000	ribonucleoprotein L (HNRPL), mRNA		GAGCCGCTGAAGTATGGTTCCTGAG
5549	Table 3A	Hs 312582	AV651615	9872629	601439711F1 cDNA, 5' end /clone=IMAGE:3924482 /clone_end=5'	-1	GGCTGCTGTTGACTGAAATTCCTATC CTCAAATTACTCTAGACTGAAGCT
5550	Table 3A	Hs.5897	AV653169	9874183	cDNA FLJ13388 fis, clone	-1	CTTTTTAGTAGGCAAAGGTTCTTCTTC
5551	Table 3A	NA	AV654188	9875202	PLACE1001168 /cds=UNKNOWN AV654188 GLC cDNA clone	-1	CTCCTCTTTTGGTGCAGGGACGC GCGTGTATGTGGGATGCCATAGGTG
					GLCDTC01 3', mRNA sequence		TGACTGTAGAGTCATTCTTCCTTCC
5552	Table 3A	Hs.38218	AV659358	9880372	602569369F1 cDNA, 5' end /clone=IMAGE:4693744 /clone_end=5'	-1	TGTAAGTTGACTTTCAAAAGTCTCTG GAAACACTGGACTTTAGCTGGTCC
5553	Table 3A	Hs.133333	AV661783	9882797	AV661783 cDNA, 3' end	-1	GAAGCGTGGCAGAGAACTATGGATC
5554	Table 3A	Hs,85844	AV700210	10302181	/clone=GLCGXE12 /clone_end=3' neurotrophic tyrosine kinase, receptor,	-1	AGGCAGCCCCTCTCATCTTTACCAT TTGGTCCAAACTCTGGAGCCTTGTGG
		11 005470			type 1 (NTRK1), mRNA /cds=(0,2390)		GAGAACATAGGGCATAACGTGTTT
5555	Table 3A	Hs.285173	AV700298	10302269	602632207F1 cDNA, 5' end /clone=IMAGE:4777537 /clone_end=5'	-1	CCCTTCTTAGTAAAGAGACATCTTCT ACAGTAACCACAGAGAAGAAGTGG
5556	Table 3A	Hs.238730	AV700542	10302513	hypothetical protein MGC10823	-1	TGGACATAACCTGGGTCAGAAGAA
5557	Table 3A	Hs.284674	AV700636	10302607	(MGC10823), mRNA /cds=(63,1235) AV700636 cDNA, 3' end	-1	ACTTTTGAAGCTACACGAACAAGC CGGCTCAAATAAACCTTTACCGGATT
5550	T-bl- 04	U- 0400777	*********	5040540	/clone=GKBAGH12 /clone_end=3'		TTTGGGGTTATGCCCACACCCTTG
9996	Table 3A	HS.240077	AW002624	5849540	wu60d10.x1 cDNA, 3' end /clone=IMAGE:2524435 /clone_end=3'	-1	GGACCACTAGTACTCCAGAACCATAA TATAACTAGACATGCCTGGAATGC
5559	Table 3A	Hs.301704	AW002985	5849991	eomesodermin (Xenopus laevis) homolog (EOMES), mRNA	-1	AACAAGCCATGTTTGCCCTAGTCCAG GATTGCCTCACTTGAGACTTGCTA
5560	Table 3A	NA	AW004905	5853768	wz82d03.x1 NCI_CGAP_Gas4 cDNA	-1	TCTACTGACTATCCTAGAAATCGCTG
					clone IMAGE 2565317 3' similar to SW:ATP6_HUMAN P00846 ATP		TCGCCTTAATCCAAGCCTACGTTT
					SYNTHASE A		
5561	Table 3A	Hs 173280	AW005376	5854154	ws94a12 x1 cDNA, 3' end /clone=IMAGE:2505598 /clone end=3'	-1	GAGAAACTTCCGTGCATGAAGGTTTC CTCCTTGACTCGGCAGCAGCGGCC
5562	Table 3A	Hs.233560	AW006045	5854823	wz81b09.x1 cDNA, 3' end	-1	CCAAGTAGGTTTTAACTCTGGTATGG
5563	Table 3A	He 1506/3	AW006352	5955130	/clone=IMAGE:2565209 /clone_end=3' wt04d12.x1 cDNA, 3' end	-1	TCTCGTGTTTTCATTTGTTGTGCA GTTCCCACGGAGCTGACTTCTCCGG
5505	Table 5A	113,133043	AW000002	3003130	/clone=IMAGE:2506487 /clone_end=3'	-,	GGTGCCTGTGCCCTACATTAAACCC
5564	Table 3A	Hs.231987	AW006867	5855645	602320903F1 cDNA, 5' end /clone=IMAGE.4424065 /clone end=5'	-1	CCGTAACTCCGACAAACGCAGAACTT CTTGAGGCTTTCTTCTTCTAAGGA
5565	db mining	Hs.157118	AW009081	5857859	ws76g10.x1 cDNA, 3' end	-1	TCTGGACCCTGCTTGGGTTCACAGCA
5566	Table 3A	Hs.134272	AW009671	5858449	/clone=IMAGE:2503938 /clone_end=3' ws85g09 x1 cDNA, 3' end	-1	TTGGTGGAGGTAAGTAGTATTCTC GAAGAGGAAGCTCATCCGAAGTCTTC
					/clone=IMAGE:2504800 /clone_end=3'		CGACAGAGTGAGCCGTCATGCCCG
5567	db mining	Hs 131887	AW009730	5858508	602415255F1 cDNA, 5' end /clone=IMAGE:4523725 /clone_end=5'	-1	AGTGTGTATTCTTGATGTTTATTGGCT CATGTGGACAGAAATGTACAGGG
5568	Table 3A	Hs.232000	AW016002	5864759	UI-H-Bl0p-abh-h-06-0-UI.s1 cDNA, 3'	-1	AGATGAGGCTGCTCTGAAGATTCAGT
5569	Table 3A	Hs.233261	AW026667	5880120	end /clone=IMAGE:2712035 wv15d09.x1 cDNA, 3' end	-1	AATTAGGATGGACAGTCAGCTACT TGGGCTTTGGGGTTCAGTTTGTTACC
					/clone=IMAGE:2529617 /clone_end=3'		TTTGGAGACTTATTTAATGAAACC

Table 8

					14510 0		
5570	Table 3A	Hs.101340	AW026713	5880166	EST380762 cDNA	-1	CAGTGGTTCCTGAGAGAATCTTAGTT CAAAGGACTGCCCCCGCCAACCCC
5571	Table 3A	NA	AW027160	5885916	wt72b08 x1 Soares_thymus_NHFTh cDNA clone IMAGE:2512983 3' similar	-1	ACCGCCAAAGCCAATCATCCACTTTC AGTACTTACCTAACCAATCTCCCA
5572	Table 3A	Hs 233564	AW027530	5886286	to contains Alu repetitive eleme wv74c06.x1 cDNA, 3' end	-1	CAGGATGTTATTGACAGGGTGGCCTT
5573	Table 3A	Hs 311783	AW043857	5904386	/clone=IMAGE 2535274 /clone_end=3' wy81g04.x1 cDNA, 3' end	-1	TGTGATTCCTCCGGTGGTGGCAGC GCCATTTCATTTGCTGTGTGGTTAGA
5574	Table 3A	Hs.277672	AW050975	5913245	/clone=IMAGE:2554998 /clone_end=3' wz25f04 x1 cDNA, 3' end	-1	CTTCCAGGAGGCTGTTTAGCTCTA CCTTTGTGAAAAGTCACCTGTGACTG
5575	db mining		AW063114	8887051	/clone=IMAGE:2559103 /clone_end=3' TN0103 cDNA, 3' end /clone_end=3'	-1	TCAGGGGTATGCTATGGGCCTTTT GATCCACTTTGGGGTTCGGCGGCAG
5576	db mining		AW063120	8887169	TN0257 cDNA, 3' end /clone_end=3'	-1	ATTATTCCGCTGGTAGAGCCGGATG AATAAGGGACTCATTCATTATGCAGC
5577	db mining	Hs.279083	AW063153	8887202	TN0786 cDNA, 3' end /clone_end=3'	-1	AAATGTTGTTTGTTATTGGCTTGC CTTCATGGTCTCCAGCCAGGACTCCA
	•				·	-1 -1	TCAGCGCCACGGCTTCATCCGAAC TTGATGCTCATCATCTGCTCGAGGTG
5578	db mining		AW063155	8887204	DP1003 cDNA, 3' end /clone_end=3'		ATTGATGCCAGGTTGACGCACCAT
5579	db mining		AW063156	8887205	TN0974 cDNA, 3' end /clone_end=3'	-1	TCCTTTGGATAAGGTCCAAAACCTGT AACACATGACCCTCAGAGCCCTTT
5580	db mining		AW063158	8887207	TN0311 cDNA, 3' end /clone_end=3'	-1	CCCGGCGACTTCACCACCCGCTATCT GGGCACCAAAGACTATATCTAGAT
5581	db mining	Hs.279086	AW063159	8887208	TN0312 cDNA, 3' end /clone_end=3'	-1	CCCTCCCACTTCGGTCGATCAGCT
5582	db mining	Hs.279092	AW063191	8887240	TN0359 cDNA, 3' end /clone_end=3'	-1	CGTCGGGTACCTCGCCGATAAAATC GCTGATGGCCTGGTCGATCCTGAAG
5583	db mining	Hs.279093	AW063196	8887245	TN0360 cDNA, 3' end /clone_end=3'	-1	ATCTTATCCCTCTGTTACTCAATGTGA GTGCATACTTTACATTGCCTACT
5584	db mining	Hs 279102	AW063210	8887259	TN0377 cDNA, 3' end /clone_end=3'	-1	GGTCCTTGAAGATGACGCGGATGAT CGAGGTCTCTGCGCCGTAGGCGATG
5585	db mining	Hs.279067	AW063230	8887055	TN0107 cDNA, 3' end /clone_end=3'	-1	ATGATGAAGCTGCTGTCCAACGCCTT CGTCTGCCAGTTTCTGCTGGTGTG
5586	db mining	Hs.279069	AW063239	8887064	TN0018 cDNA, 3' end /clone_end=3'	-1	TCCTTGCCAGAGCCTTCGGGTTCTAC GATTTGATCGACGACGCTGGTGTC
5587	db mining	Hs.279070	AW063242	8887067	TN0138 cDNA, 3' end /clone_end=3'	-1	TCGAACATGGGCAGCTCCGTTTCAAG ATGGCTCAAGACTAGCGGATTGGG
5588	db mining	Hs.279071	AW063246	8887071	TN0358 cDNA, 3' end /clone_end=3'	-1	AGTGATAGAGACCAAAGACTGCTTTT TAATTTTGTGGGGGGGGGG
5589	db mining	Hs.279072	AW063252	8887077	TN0149 cDNA, 3' end /clone_end=3'	-1	CGGGTCACTCATGTTGGCTACTAACC
5590	db mining	Hs.279087	AW063267	8887092	TN0331 cDNA, 3' end /clone_end=3'	-1	CTTTTCGTGCGCCGGGCATTCTAG CTTGTCCTTGATCGCTTCCTTCTCTG
5591	db mining	Hs.279073	AW063271	8887096	TN0156 cDNA, 3' end /clone_end=3'	-1	CAAGGGAGAGCTTCTGGACCTTCA CTTGTTTGACATCAGCGCCATCTCGA
5592	db mining	Hs.279074	AW063274	8887099	TN0792 cDNA, 3' end /clone_end=3'	-1	CAGCGTATTCCGCTATGACTGTTT CACGAAGCCTTCGATCAGTTGCAGCA
							CGCGGCCAGAGCGGTCGATAGAAC
5593	db mining		AW063299	8887124	TN0185 cDNA, 3' end /clone_end=3'	-1	CATTTTGCCATCTGCGAGCATCTGGG TATTGACATGATCCCCAGTGGAGC
5594	db mining	Hs.279076	AW063319	8887144	TN0230 cDNA, 3' end /clone_end=3'	-1	CACCAAGCTGGTCAACATCCAGGCG AATGGCTATTACGTGGATGAGATCA
5595	db mining	Hs.279078	AW063325	8887150	TN0236 cDNA, 3' end /clone_end=3'	-1	TTGCTGATACGGCCTTTGATCATGTT TTCAACGATGTTTTCCGGCTTGCC
5596	db mining	Hs.279079	AW063327	8887152	TN0238 cDNA, 3' end /clone_end=3'	-1	CCTCGACAAACTAAATGTTGATTTGA ATTGGCCTGTTATCATCTTGATCAC
5597	db mining	Hs.302423	AW063352	8887289	TN0725 cDNA, 3' end /clone_end=3'	-1	GTTTCAGATCGGGCCGCTCCCGCCG GGTACCTATAGCGGAATCGAATTTC
5598	db mining	Hs 279095	AW063358	8887295	TN0979 cDNA, 3' end /clone_end=3'	-1	GAAAACAGAAATGATGCTCGGCACAT TCTCGTCCAGCACCTCGGCAACGG
5599	db mining	Hs 279096	AW063371	8887308	TN0746 cDNA, 3' end /clone_end=3'	-1	AACTGTATTCGATCACCGTGGCGCTG ATGGTGTCAGCAGTCGCCTTGTTC
5600	db mining	Hs.279097	AW063372	8887309	TN1085 cDNA, 3' end /clone_end=3'	-1	AGTTGACATATAACCCACTTTACATAC ATTCCAAAATTGCGAGTAGTGAGT
5601	db mining	Hs.279075	AW063428	8887365	TN0121 cDNA, 3' end /clone_end=3'	-1	ATATCGTACCGAGAAACTAGTGCGGA
5602	db mining	Hs.279099	AW063436	8887373	TN0922 cDNA, 3' end /clone_end=3'	-1	TATCTGACCAGGTATGGCGGTTGG GTGGATGACCTGATCCAGGTCGGCC
5603	db mining	Hs.279100	AW063458	8887395	TN0949 cDNA, 3' end /clone_end=3'	-1	TGATCGGCCTGACTGATGAGCTGTC ATGATGACCAGATGCTCTGGCACCGT
5604	db mining	Hs.279103	AW063469	8887406	TN0961 cDNA, 3' end /clone_end=3'	-1	GTCGAGTTCGAGGATGCCGACATT GATCTGGGACGCATGGCCGAAGCTG
5605	db mining	Hs.279101	AW063474	8887411	TN0354 cDNA, 3' end /clone_end=3'	-1	AAAAGCTGGCTGTAGAAGACCTCGA AACATGGCAATATTTATTGGTCCTAAT
5606	db mining	Hs 279821	AW063497	8887434	TN0113 cDNA, 3' end /clone_end=3'	-1	ACTGTCACTGGCAAGGTTGGTGT GAGGCAGAGGTGTAGCGAGTCCAGG
							CTCTCTTCGAACGTTGCACCCGACG

Table 8

5607	db mining	Hs 279105	AW063509	8887446	TN1012 cDNA, 3' end /clone_end=3'	-1	GTCCCACACGTTCGGCCCTGACTCT
5608	db mining	Hs 279089	AW063534	8887471	TN1054 cDNA, 3' end /clone_end=3'	-1	GCTGTGTTCGACGAGGACAATCTCG CATGACGTTGTGCTCGACACCCCAAC
5609	db mining	Hs.279080	AW063546	8887483	TN0243 cDNA, 3' end /clone_end=3'	-1	AGATCACGTAATCAGCCTGGTGGA TAGGCTATAGAGATGTGAGGGATTAT TATTAGTCACACCTCTAGTCATGCC
5610	db mining	Hs.279108	AW063552	8887489	TN1055 cDNA, 3' end /clone_end=3'	-1	GGCTGCCGGATGTGTAGGTCTTCCC ATGTTGTGAAGTAACGGTGCTCCAC
5611	db mining	Hs 279109	AW063556	8887493	TN1059 cDNA, 3' end /clone_end=3'	-1	TGCCCTGTATAGTGTTGTAAAAATTA GAATGTTTCACCCAAACCATCTGG
5612	db mining	Hs.279110	AW063561	8887498	TN1066 cDNA, 3' end /clone_end=3'	-1	GTCTTTCGAATCGCTCTTTAGCTCGT GCGGGCTGTTGTCCCACTTGTTGG
5613	db mining	Hs.279090	AW063572	8887509	TN1079 cDNA, 3' end /clone_end=3'	-1	CTATGCGCTGCGCTACAAGCTGGAC CTGTATTCGGACTTCAGCTACTACC
5614	db mining	Hs.279111	AW063598	8887535	DP0133 cDNA, 3' end /clone_end=3'	-1	TTCGAAGCGACGCTGCGTGCGCTGC TCGTCCAATTGCAGCATGGATAAGG
5615	db mining	Hs.302424	AW063600	8887537	DP0925 cDNA, 3' end /clone_end=3'	-1	CCTTCCGCTGTCCCTTCAGTAGCTGT TTCTGTTCCCTGACGCCCACTTCT
5616	db mining	Hs.279124	AW063609	8887546	DP0922 cDNA, 3' end /clone_end=3'	-1	CAATGCAGCGGCTGATGCAGATCAC CCACGAGATGCAGGACGAAGGCGAG
5617	db mining	Hs.279113	AW063630	8887567	DP0154 cDNA, 3' end /clone_end=3'	-1	TCATTCAGTCTGAGTAGGAGGAAAGA GGACAGGTTGTTGGAGAGTTGGTT
5618	db mining	Hs 279114	AW063635	8887572	DP0774 cDNA, 3' end /clone_end=3'	-1	TAATTGCCGCTGAAGCACGAATCCTC GAAATGCGTCACCTTCGGATTGAC
5619	db mining	Hs.279125	AW063652	8887589	DP0189 cDNA, 3' end /clone_end=3'	-1	AAATGTGGTGACAAAGTACCAGCAAG AACTGGACTGTGTTTCTGGAGCCT
5620	db mining	Hs.279116	AW063678	8887615	DP0229 cDNA, 3' end /clone_end=3'	-1	GTTCATCGTCTCGCGTCGCAAGAAGT AAGGGCTAGGCCATGACTCGTTCG
5621	db mining	Hs.279117	AW063709	8887646	DP0336 cDNA, 3' end /clone_end=3'	-1	CTCTTGGCAGCCCTGCTCTCGTGGG TCAGCATCGTCGCGTGCTCCGGTGG
5622	db mining	Hs.279118	AW063718	8887655	DP0314 cDNA, 3' end /clone_end=3'	' -1	GTGCTCGCTGAGCTGGTCCAGAAAT CCGTCGACTGAGGCGATGGCGGCTG
5623	db mining	Hs.279119	AW063746	8887683	DP0347 cDNA, 3' end /clone_end=3'	' -1	CATGAACAAGGGCCGGATCATCCTG ATGCCCAACACACTGGACTTCGGTG
5624	db mining	Hs.279120	AW063778	8887715	DP0954 cDNA, 3' end /clone_end=3'	' -1	CACCCGTTGTAGGCGACGAGCGTGA ACGAAAACGTGTCGGACGGCTTGTA
5625	db mining	Hs.279121	AW063780	8887717	DP0388 cDNA, 3' end /clone_end=3'	· -1	CATATGCGGCTGTGCCATAGCCGGA TGTTCTTCGTGCGTGCCTACCCCCG
5626	db mining	Hs.279123	AW063833	8887770	DP0756 cDNA, 3' end /clone_end=3'	' -1	TTCTTTCCGTCGCGCATCGGAATGCG AAACTCGTACTTCGTGTAGAACTC
5627	db mining	Hs.279138	AW063909	8887846	SP0953 cDNA, 3' end /clone_end=3'	-1	GCCAGGGGCTTTATCACTTCCATGGC CGCAGCGATGACCAGGTCAAGCTG
5628	db mining	Hs.279126	AW063951	8887888	DP0986 cDNA, 3' end /clone_end=3'	-1	CGCCGACCAAGCTTACCGACTTCTCG CCGATCTACTGCGACGAAGAAGGC
5629	db mining	Hs.279174	AW063977	8887914	DP1019 cDNA, 3' end /clone_end=3'	' -1	GGTAGTGACGTGCTGAATGACGGTG CCGTCCATCATCGGGTCGGAGTAAG
5630	db mining	Hs.279128	AW064020	8887957	DP1073 cDNA, 3' end /clone_end=3'	' -1	TTCAGGACTCGTTTCACGTAGGCAAC GCTGTCTAAAGTTCCCAAGGGATT
5631	db mining	Hs.279130	AW064046	8887983	SP0153 cDNA, 3' end /clone_end=3'	-1	CTCTTTACCCGGAAACAGGTTGGGGA GATGACACGCAGAAAATCATACGC
5632	db mining	Hs.279084	AW064052	8887989	SP0159 cDNA, 3' end /clone_end=3'	' -1	CTTTGGATATATCGAGAAAGGCCAGG GCCTGAACAAGGAAAGCTTCCAGG
5633	db mining	Hs.279825	AW064053	8887990	SP0992 cDNA, 3' end /clone_end=3'	' -1	AAGGCTGGTCAAGAATCTTGAGACG GAATTGCACAGTCTCGGCGTGATCC
5634	db mining	Hs.279131	AW064060	8887997	SP0636 cDNA, 3' end /clone_end=3'	' -1	GATCGATTCGGGGGTGACATCGGCG CTGAGCACCATCACCGGAACATAAG
5635	db mining	Hs.279135	AW064084	8888021	SP0612 cDNA, 3' end /clone_end=3'	' -1	CTGAGATCACCCTGAACACCGACAAG GACGAGATCGCAGTCTGCAACCTG
5636	db mining	Hs.279136	AW064098	8888035	SP0575 cDNA, 3' end /clone_end=3'	' -1	CTGAAGGCTTTGGCGACAACCAGGT CTATCCGTTTGAAATTGGCGAGAAC
5637	db mining	Hs.302426	AW064100	8888037	SP0684 cDNA, 3' end /clone_end=3'	' - 1	TCTTGTGCCAGCACGTCTTGCTGATA GCCGATGAATCGCGTCCCTTTGTC
5638	db mining	Hs 279175	AW064121	8888058	SP0554 cDNA, 3' end /clone_end=3'	' -1	GAACTCCTCAAGGAAATAGTCCACCG CCTGCTGCTTGGACGCTGCCAGTT
5639	db mining	Hs.279139	AW064129	8888066	SP0696 cDNA, 3' end /clone_end=3'	' -1	GTGACCTCGGGGTCCCCCTTGGTGA GGGTGCCGGTCTTGTCGAAGACGAC
5640	db mining	Hs.279140	AW064136	8888073	SP0570 cDNA, 3' end /clone_end=3'	-1	GTGTTCGGGCTTCATGTCGCCAACAC CATCGGCACTGGCATCATCGATCC
5641	db mining	Hs.279106	AW064157	8888094	TN1014 cDNA, 3' end /clone_end=3'	-1	AGGTTGATTTCCACTTCCTCGGGAGG TTTCGCCACCTCTTCGCCTTTGAG
5642	db mining	Hs 279141	AW064160	8888097	SP0594 cDNA, 3' end /clone_end=3'	' -1	GTTAGCTTCCACGCTTTATCTCCTGC TCTGAGTGTGTACCCGCGCTGCTC
5643	db mining	Hs 279142	AW064161	8888098	SP0595 cDNA, 3' end /clone_end=3'	' -1	TTAAAGTGGTAAGGGAGGTTTCTACT CCTGGGGAAACATTAAAGTACCTT

5644	db mining	Hs.279143	AW064166	8888103	SP0605 cDNA, 3' end /clone_c	end=3'	-1	CTTTCTCCGACTTCGAGATCTGCCCG
		Hs.279144	AW064175	8888112	SP0615 cDNA, 3' end /clone_	end=3'	-1	TGGTCGAGATCGTGGTAGATGATG AACTGGATAGAGCACGAGCCTTCTAA
5645	db mining						-1	GCTTGGAGTTGCAGGTTCGAATCC GAAGATCGCCGCAACGAAGACCGCT
5646	db mining	Hs 279824	AW064185		SP0630 cDNA, 3' end /clone_			TCCACTTCATCAACTGGACCAAGAA
5647	Table 3A	NA	AW064187	9	(One single EST, artifact ?) SI KRIBB Human CD4 intrathymi cDNA library cDNA 3', mRNA :	c T-cell	-1	TGCTTCTGTGACAGATTAGCTTACAT CTTACCACCTCACCGAGAAGAGCT
5648	db mining	Hs.279146	AW064189	8888126	SP0634 cDNA, 3' end /clone_	end=3'	-1	AGCTCAAGAGCTTCCGCGACGTACC CAGCAAAGTAACGCTCGACGAATGC
5649	db mining	Hs.279145	AW064194	8888131	SP0633 cDNA, 3' end /clone_	end=3'	-1	ATCGAAGACGTGATGCTGAACCTTTG GGCGAAGGCCGAGAAGGAAGGCAA
5650	db mining	Hs 279147	AW064201	8888138	SP0650 cDNA, 3' end /clone_	end=3'	-1	CGATACCCTCACTAGACCTCGGATCG AAATAAATCAGAGCGATCACATCG
5651	db mining	Hs.279132	AW064208	8888145	SP0658 cDNA, 3' end /clone_	_end=3'	-1	GGGGATACACACCCCACAAGCCTTC CTGCGGCTTCATCACGGTTACCACC
5652	db mining	Hs.279148	AW064218	8888155	SP0732 cDNA, 3' end /clone_	_end=3'	-1	GATCTTGGTGAGAAGCTCGGTCATGT AGAAGACCTCGCCCTGGGACACTA
5653	db mining	Hs.279826	AW064223	8888160	SP0676 cDNA, 3' end /clone_	_end=3'	-1	ATTTTATCGCCAGCTACGTCGGCATT
	-	Hs.279149	AW064250	8888187	SP1013 cDNA, 3' end /clone_	end=3'	-1	GGTCAGGACGACCTGAAGGGGAAT TGATGCGGAGAGCGAGGTAGATCCC
5654	db mining						-1	GGCGGAGTTTTCGTCGATGGGAAAG GTACACTTCCTGGATCTGATCCACGA
5655	db mining	Hs.279150	AW064255	8888192	SP0105 cDNA, 3' end /clone_			GGTAACGAGCGAGAGTGGTGATAC
5656	db mining	Hs.279134	AW064258	8888195	SP0717 cDNA, 3' end /clone	_end=3'	-1	GTGACTTCATGCTCGGGGTTGAGCTT GGCGTCCACCACCTTTTCCCACTC
5657	db mining	Hs.279151	AW064272	8888209	SP0130 cDNA, 3' end /clone	_end=3'	-1	CCGGTGTCCTTGATCAGCTTCAGCAG TGGCTTGACGTAGATGCGGGTCGG
5658	db mining	Hs.302427	AW064275	8888212	SP1065 cDNA, 3' end /clone	_end=3'	-1	CATCAGTGTTTCTCCTGCTGGGACTG TTGCATGTGGTGCATCACGGTTTG
5659	db mining	Hs.279153	AW064284	8888221	SP0755 cDNA, 3' end /clone	_end=3'	-1	GCGAGGCGAAACATAGCTTCCATTGT GTCTTTTCTCCTTATGCGTCTTGC
5660	db mining	Hs 279156	AW064319	8888256	SP1055 cDNA, 3' end /clone	_end=3'	-1	AATGAGACCCGCCGTCCCTGGAGAT
	_	Hs.279157		8888257	SP1045 cDNA, 3' end /clone	end=3'	-1	GAAGATGTCGTCCGACTCCGTCCAC CGGATGTTGTCGTTCCAGAACGAAG
5661	db mining			8888280	SP0916 cDNA, 3' end /clone		-1	GATCGGCCTCTTGGGCCTGGATTTC GGCACCGACTTGGGCCTGAGAGAGG
5662	db mining	HS.279164	AW064343	0000200	SPOSTO ODIA, O CITATORIO	_0.14	•	CGCAGGTCATCAATATAGAATCGGG
5663	db mining	Hs.279159	AW064348	8888285	SP1044 cDNA, 3' end /clone	e_end=3'	-1	CCATGCTGAACTTGGCCAGGTCCTTG ACGGCGGTGTTTTCCGACAGCACC
5664	db mining	Hs.279161	AW064375	8888312	SP0115 cDNA, 3' end /clone	e_end=3'	-1	CGCGATGATCTCGTCCTTCGGCATG GCGATGCGCTATTCCTTCGACATGG
5665	db mining	Hs.279162	AW064377	8888314	SP1066 cDNA, 3' end /clone	e_end=3'	-1	GCCCATTGACCGTATCGCGTCATCTT GCTGGCATTTCTAAGAAAATACCG
5666	db mining	Hs.279163	AW064378	8888315	SP0966 cDNA, 3' end /clone	e_end=3'	-1	TGAAACAGGGAAAAGCCAGGAAGAT CTCCGGTTCCACGTCCAATTTGTAC
5667	db mining	Hs.279168	AW064424	8888361	SP1056 cDNA, 3' end /clone	e_end=3'	-1	CAAGAATGACGGAAAAATCCGTGAGC
5668		Hs 279165	AW064433	8888370	SP1030 cDNA, 3' end /clone	e_end=3'	-1	ACAAGGCAAAGGCTTGCCGTGTGG GACTTGATCACAACCCGATCCGTAAC
			3 AW064445		SP1042 cDNA, 3' end /clone		-1	GACGTATTGGAGCCACTCGAACAA CTTCTCGCCGTAACTTTTCCGCCGAG
5669							-1	CACGCTACGCACGTAGGTGTTGTG TCGACTACGACTTCAACTTCCCCAAA
5670	db mining	Hs.279823	3 AW064450	8888387	SP1048 cDNA, 3' end /clone			CGGTGGGAGAAGCGAGCTTGAGGC
5671	db mining	Hs.279167	7 AW064452	8888389	SP1069 cDNA, 3' end /clone	e_end=3'	-1	AAGTTGATCAGATCACGGGCCACGC CTGCAACCAGAGGCTTGTCATCGTC
5672	db mining	Hs.279169	9 AW064468	8888405	SP1067 cDNA, 3' end /clone	e_end=3'	-1	TGATCTGATTGTGAGGAGAGTGGAGA AGGTGGTATAGAAGCTGAAAGGGT
5673	db mining	Hs.27915	5 AW064473	8888410	SP1072 cDNA, 3' end /clone	e_end=3'	-1	CTTCATGCTCGAGAAGAAAATGCTCC GTGCCTCCGACGACGCCACCATCG
5674	db mining	Hs.27917	O AW064478	8888415	SP1080 cDNA, 3' end /clon	e_end=3'	-1	CAGATGGTCACGAGACGCTTGTCCG TGATGTCTTCCGTCAGCGTGCAGAG
5675	5 db mining	Hs.27917	1 AW064479	8888416	SP0147 cDNA, 3' end /clon	e_end=3'	-1	TGATGGATTTGGAAAGTGTTATTCTG TTTGACTTCTCCCTGCTCTGCT
5676	db mining	Hs.27915	8 AW064487	8888424	SP1087 cDNA, 3' end /clon	e_end=3'	-1	TTGAACGGGTATAGCCACCAAGGCAT TGGCTGCAAAGTCGGGCAAAACTT
567			4 AW064490	8888427	' SP1090 cDNA, 3' end /clon	e_end=3'	-1	ACTGTGTATTGATGAGTATCTGATGC
567			0 AW067725		SP0110 cDNA, 3' end /cion		-1	CTATAACATCTGTAGGAGGCTACA GTACGAAGGTGGCGATGATGCGTTC
	-		9 AW067742		SP0150 cDNA, 3' end /clon		-1	GATCACCTCGGGGATTTCCTCGGCG CGACCTTCGGCGTTTCCGCTTCGGAA
567	_						-1	CCCGTGAAGGCGTTCTTCACTTTG ATTCGCTGGCAACATAATTACCAGAC
568	0 db mining	Hs.27913	3 AW067752	8888499	9 SP0141 cDNA, 3' end /clor	ie_eiius	-1	TCACATCGAACGAAGCTCGGTTCC

Table 8

					Table o		
5681	db mining	Hs.279154	AW067760	8888507	SP0122 cDNA, 3' end /clone_end=3'	-1	TGTTCGTTGCCATCCTTGTCGAGGAA CATCTCGCTTTCCAGTTCCGCCTG
5682	Table 3A	Hs.89433	AW071894		ATP-binding cassette, sub-family C (CFTR/MRP), member 1 (ABCC1),	-1	TTTGGGGGATCCTTTTGTAATGACTT ACACTGGAAATGCGAACATTTGCA
5683	Table 3A	Hs 299581	AW073707		transcript variant 1, mRNA xb01h03.x1 cDNA, 3' end	-1	GGACAAGGGGCACCCGGATTATATTT
					/clone=IMAGE:2575061 /clone_end=3' xa85g05 x1 cDNA, 3' end	-1	CCCACCAATCCTAATCCTAAACCC TGGAGCTTATTTTGGAGAACTGTCAC
5684	db mining	HS.243286	AW075809		/clone=IMAGE:2573624 /clone_end=3'		CATTTTATCCCAGTTGGCAATTTT
5685	db mining	Hs 277714	AW075814		xa85h03.x1 cDNA, 3' end /clone=IMAGE:2573621 /clone_end=3'	-1	ATTATGGGTAAGGCTTGGGCTTGTTC CCACATGTTAACCAAATGGCCTCA
5686	db mining	Hs.244048	AW075894		xa81c04.x1 cDNA, 3' end /clone=IMAGE:2573190 /clone_end=3'	-1	GGGAGGCCAAAGAAATCTTTTCCC GTTTCAAATTATGTTCCCCAAAAA
5687	db mining	Hs.329433	AW075905		xa81d05.x1 cDNA, 3' end /clone=IMAGE.2573193 /clone_end=3'	-1	TTACCCCAATGCTTTTGCCCCGGTGG CCCAGTTTGTAAATTGGTTTGATT
5688	db mining	Hs.329434	AW075921	6030919	xa81f04.x1 cDNA, 3' end	-1	CCCCCTTGGCAGGTTAATTGGTGTT TAAGGAACCCTCCAGGGTGGGGGG
5689	db mining	NA	AW075929	6030927	/clone=IMAGE:2573215 /clone_end=3' xa81g05.x1 NCI_CGAP_CML1 cDNA	-1	CCCCCAGTTTAATGTTAGGGGGAA GGGATTTAACCCCTTATTTAAAAAA
5690	db mining	Hs.265634	AW075948	6030946	clone IMAGE:2573240 3', mRNA xa82b03.x1 cDNA, 3' end	-1	CTATCACCCTTGATATGAAATTCCAG AATTTTCTGTGATACCACATGGCC
5691	db mining	Hs 277716	AW075986	6030984	/clone=IMAGE:2573261 /clone_end=3' xa82f05.x1 cDNA, 3' end	-1	ACTCCGGGCCTTAATGGATTTGGCCT
3031	do mining				/clone=IMAGE:2573313 /clone_end=3'	-1	GTCCTCAAGAATGGTAATTATGAA ACGTGGTTTCAGTCCTTAGCACCGTG
5692	db mining	Hs.241982	AW076004		xa82h04.x1 cDNA, 3' end /clone=IMAGE:2573335 /clone_end=3'	-,	GTATTGACATGACATCAGTTGCAA
5693	db mining	Hs.257711	AW076027	6031025	he31c12.x1 cDNA, 3' end /clone=IMAGE:2920630 /clone_end=3'	-1	CACAACTTGCTGTTCACGTCTTTGGG GTGTTTTCCATTCCTAATAGATGG
5694	db mining	Hs.277717	AW076038	6031036	xa83d08.x1 cDNA, 3' end	-1	AAACCCGTCCTCCATTATAATTACCTT TCAAAGGGCAAGTCAAAAGTTGT
5695	db mining	Hs.241983	AW076068	6031066	/clone=IMAGE:2573391 /clone_end=3' xa84a02.x1 cDNA, 3' end	-1	AAACAGCACAACATGAGTGTTTCCTA CCACATCAATTTTAATGAAGACAC
5696	db mining	Hs.277718	AW076075	6031073	/clone=IMAGE:2573450 /clone_end=3' xa84a10.x1 cDNA, 3' end	-1	CGGAATCGGGTTTCCATTGGACCCCA
5697	db mining	Hs.242605	AW076083	6031081	/clone=iMAGE:2573466 /clone_end=3' xa84b10.x1 cDNA, 3' end	-1	AAAATTTCCCTTTGGGCTTCATGA TGAGGATAGAAGCAGCCTTTTATATT
	•				/clone=IMAGE:2573467 /clone_end=3' xa84g01.x1 cDNA, 3' end	-1	TTTGTGTGGTAAAGCAAATTGGCA GGGGCAAATTTCAAGGGACCTCCCC
5698	db mining		AW076127		/clone=IMAGE:2573520 /clone_end=3'	-1	AAAGGGGGTGTTTTCCCTGGATGGG AAACAGGAAGGGGGTTTGGGCCCTT
5699	Table 3A	Hs.244816	AW078847		xb18g07.x1 cDNA, 3' end /clone=IMAGE:2576700 /clone_end=3'		TGATCAACTGGAACCTTTGGATCAAG ACTCTTTGTCTTTTTAAGACCCCTAAT
5700	Table 3A	Hs 245616	AW080951	6036103	xc28c10.x1 cDNA, 3' end /clone=IMAGE:2585586 /clone_end=3'	-1	AGCCCTTTGTAACTTGATGGCTT
5701	Table 3A	Hs.176498	AW081098	6036250	xc29a12.x1 cDNA, 3' end /clone=IMAGE:2585662 /clone_end=3'	-1	CCGGCTGCCTCCATCCCAGAAGAGT GCGCAGAGAATTAAATCTAGATATT
5702	Table 3A	NA	AW081232	6036384	xc22e08.x1 NCI_CGAP_Co19 cDNA clone IMAGE:2585030 3' similar to SW.RS1A_HUMAN P39027 40S RIBOSOMAL	-1	GGGATGTAATACATATTTTTCCAAATA AAATGCCTCATGGGCTTTGGGGC
5703	Table 3A	Hs.295945	AW081320	6036472	xc30f12.x1 cDNA, 3' end /clone=IMAGE:2585807 /clone_end=3'	-1	AGAACCCGTATTCATAAAATTTAGAC CAAAAAGGAAGGAATCGAACCCCC
5704	Table 3A	Hs.120219	AW081455	6036607	xc31c07.x1 cDNA, 3' end /clone=IMAGE:2585868 /clone_end=3'	-1	AGTTAGTATACAGCCAGAACAGCCAA GCCTCAATTCTTGTACCTTGTGTC
5705	Table 3A	Hs.277738	3 AW082714	6037866	xb61f07.x1 cDNA, 3' end /clone=IMAGE:2580805 /clone_end=3'	-1	CCCTGATCCTCTGTAGGGAACTTCCT TTTCTCTAATCCTAGATCTTTTCA
5706	db mining	NA	AW088500	6044305	xd10a04.x1 NCI_CGAP_Ov23 cDNA	-1	GAGGCATCAGAGGTTCAGGAGAGTT ACAGGCAGCAGGTGCGGTATAATAT
					clone IMAGE:2593326 3' similar to SW:BAT3_HUMAN P46379 LARGE PROLINE-		
5707	Table 3A	Hs.243457	7 AW102836	6073449	xd38h12.x1 cDNA, 3' end /clone=IMAGE:2596103 /clone_end=3'	-1	TTTGTTTCTTTGGGCCTGATTTGTATC TCTGGAAGGCATTAATTCTTGAA
5708	3 Table 3A	Hs.341908	8 AW117189	6085773	3 xd83f08 x1 cDNA, 3' end /clone=IMAGE:2604231 /clone_end=3'	-1	GCTTTGCCTCTCGGAGGAGTCAAAG GGGCAGTAACTGTATGGGGTGAGAG
5709	Table 3A	Hs.3642	AW130007	6131612	RAB1, member RAS oncogene family (RAB1), mRNA /cds=(50,667)	-1	GCTCCCGAATATTGTAATTTGTTGCC CCCTATGTACCCAACCCCCTGAAA
5710	Table 3A	Hs.24836	7 AW131768	613337	MEGF11 protein (MEGF11), mRNA /cds=(159,3068)	-1	AGGAAGTATGAGAGTTCTGAAACCCT TGATAGAAACTGGAAGCCTGCCAT
571	Table 3A	Hs.20360	6 AW131782	613338	PM0-UT0103-300101-002-f12 cDNA	-1	GACATAGGGTTGCAGTAGTGAGTGG GCATCTGTTCTCAGAAGGCAGTGCC
5712	2 Table 3A	Hs.33544	9 AW136717	614085	UI-H-BI1-adm-a-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2717092	-1	TTCTGGCCTTGTTCACCTAGAAACGC TATTTCCTGTGTTATGGTTCTGGC
5713	3 Table 3A	Hs.8121	AW137104	614123		-1	GCTCTGGGAAAGAGACAGGGAAGTC TGGAATGGAAAAGAACACGATGAGA
571	4 Table 3A	Hs 12035	AW137149	614128	2 602122419F1 cDNA, 5' end /clone=IMAGE:4279300 /clone_end=5'	-1	CTTGGAAGAAATAAAAATACGTGT
571	5 Table 3A	Hs 34200	3 AW138461	614277	9 UI-H-BI1-adg-e-06-0-UI.s1 cDNA, 3' end /clone=IMAGE.2716882	-1	

Table 8

5716	Table 3A	Hs.245138	AW139918	6144636	UI-H-BI1-aee-d-05-0-UI s1 cDNA, 3'	-1	GCTGCTTTTGCCCATCCAGGTTTCCA
5717	Table 3A	Hs.276718	AW148618	6196514	end /clone=IMAGE 2719136 601473284T1 cDNA, 3' end	-1	CATCCTAATCTTTGCTTTTCTTGT TGTAAATGTGGTTTGACTATTTCTGTA
5718	Table 3A	Hs 89104	AW148765	6196661	/clone=IMAGE:3876165 /clone_end=3' 602590917F1 cDNA, 5' end	-1	TGTCCCCATCTATTGATGAGGGT TTGTTTTAACAACTCTTCTCAACATTT
5719	Table 3A	Hs.248657	AW150084	6198076	/clone=IMAGE:4717348 /clone_end≈5' xg36f03.x1 cDNA, 3' end	-1	TGTCCAGGTTATTCACTGTAACCA ACATAAACTGTCCCTTTAGGAAGAAG
					/clone=IMAGE:2629661 /clone_end=3'		CCCAATGCCCGATTTTGCCCTTTA
5720	Table 3A	NA	AW150085	6198077	xg36f04.x1 NCI_CGAP_Ut1 cDNA clone IMAGE:2629663 3' similar to	-1	GGACAAGTGGCATCGGTACTATATTT CCCACCAATCCTAATCCTAATCCC
5721	Table 3A	Hs.265838	AW150944	6198842	gb:X65018 PULMONARY xg42e09.x1 cDNA, 3' end	-1	TATGTCCCTTTTTCTCCTCCCTTCCCC
5722	Table 3A		AW151854		/clone=IMAGE 2630248 /clone_end=3' 602313002F1 cDNA, 5' end	-1	ATTCCCTGGCATCATATTGGGAC CGCTGTCGCCTTAATCCAAGCCTACG
					/clone=IMAGE:4422480 /clone_end=5'		TTTTCACACTTCTAGTAAGCCTCT
5723	Table 3A	Hs.337727	AW161820	6300853	au70h03.x1 cDNA, 3' end /clone=IMAGE:2781653 /clone_end≈3'	-1	TGTGGGCTTGGTATAAACCCTACTTT GTGATTTGCTAAAGCACAGGATGT
5724	Table 3A	Hs 299967	AW166001	6397526	xf43e11.x1 cDNA, 3' end /clone=IMAGE:2620844 /clone_end=3'	-1	CCGCCTGAAACGGGCATTTTGTAAAT GGGGTTTGACTATTTTTGTATGTC
5725	Table 3A	Hs.81248	AW166442	6397967	CUG triplet repeat, RNA-binding protein 1 (CUGBP1), mRNA	-1	ACTGGCAAATGAAGCATACTGGCTTG CAGGGACCTTCTGATTCAAGTACA
5726	Table 3A	Hs.169738	AW172306	6438254	xj37a08.x1 cDNA, 3' end	-1	GAATTCGATTTGAGATCTGAGGGCAG
					/clone=IMAGE:2659382 /clone_end=3'		ACCCGAACCAGGAAAGCAACTCAG
5727	Table 3A	Hs.8991	AW172850	6438798	adaptor-related protein complex 1, gamma 2 subunit (AP1G2), mRNA	-1	AATGCACCAGGCTGCACCTGCACC AGTGGTTGCTACATGGGATAAGAAA
5728	Table 3A	Hs.143525	AW173163	6439111	xj84b08.x1 cDNA, 3' end /clone=IMAGE:2663895 /clone end=3'	-1	TATGATAGGATTCTCCACAGTGGCTT CCGACTCAGGCTCCAATGGACCAA
5729	Table 3A	Hs.38664	AW188135	6462571	_	-1	TGCTGTATGGGCAGGTTGTCTTATTA TGTGATCAACAGATGTCCAGGAAC
5730	Table 3A	NA	AW188398	6462834	xj98c03.x1 NCI_CGAP_Co18 cDNA	-1	ACCTCCAAGAACATCTGCCTTTGTTG
5731	Table 3A	Hs.252989	AW191929	6470628	clone IMAGE:2665252 3', mRNA xl77c10.x1 cDNA, 3' end	-1	AACGTGTTTATTACCTGTCCACTC CCTTTTGCCCCTTAGCCCTTGGATAA
5732	Table 3A	Hs.203755	AW194379	6473179	/clone=IMAGE:2680722 /clone_end=3' xm08h07 x1 cDNA, 3' end	-1	TCCGGCTGGGAATGGGGGTGAGGG CCCAAATAAGCTCTGTACTTCGGTTA
5733	Table 3A	Hs 253151	AW195119	6474139	/clone=IMAGE:2683645 /clone_end=3' xn66b07.x1 cDNA, 3' end	-1	CCTATGTACCTGTTACCACTTTCA GCCACATGTCCTATTCTCACACAGGT
					/clone=IMAGE:2699413 /clone_end=3'		GCTTTAATTTCAGCCCAGTCTCTA
5734	db mining		AW195169		xn66h03.x1 cDNA, 3' end /clone=IMAGE:2699477 /clone_end~3'	-1	CTTGAAGGGGCTTTGTTGGGTTTTTG GGGTTTTGGGTGGGACTCCCAAAG
5735	db mining	Hs.330019	AW195270	6474330	xn67c04.x1 cDNA, 3' end /clone=IMAGE:2699526 /clone_end≈3'	-1	GGGGTTTTAAAAATTTTCCCGATTTCA AAATTAATTTTCCGTTGCCCCCCGG
5736	db mining	Hs.253167	AW195284	6474352	xn67d09.x1 cDNA, 3' end /clone=IMAGE:2699537 /clone end=3'	-1	CCCCCTGGGGTTTTTGGGAATGAGG TAAGGCTTTGAATTTGGTTTGATAT
5737	db mining	Hs.253168	AW195300	6474368	xn67f12.x1 cDNA, 3' end /clone=IMAGE:2699567 /clone end≈3'	-1	ACATGCTTAGAGCTGGAGGCTTGAAA CCATAATCCCAATTAAGTGCTGTC
5738	db mining	Hs.253169	AW195313	6474381	xn67h05.x1 cDNA, 3' end	-1	TGTTTGTCCAGGAAAAGGAAGAGGG
5739	Table 3A	Hs.253384	AW204029	6503501	/clone=IMAGE:2699577 /clone_end=3' UI-H-BI1-aen-d-02-0-UI s1 cDNA, 3'	-1	GGAAATTAAAACCTTTCCGGTTAGT GCACTGCTCCGTCTAGCTGTATGACC
5740	Table 3A	Hs 253502	AW205624	6505098	end /clone=IMAGE:2719899 UI-H-BI1-afr-e-01-0-UI.s1 cDNA, 3' end	-1	TTTGTTATGTTTCTTTCTTCCGT CTTCAATCTGGGCTGGG
5741	Table 3A	Hs.330058	AW206977	6506473	/clone=IMAGE:2722657 /clone_end=3' UI-H-BI1-afs-h-11-0-UI.s1 cDNA, 3'	-1	GCACATAATCGTCACTCTCGGAGGA GCGGGAAGTGAAAGCGGAGGCTGGG
					end /clone=IMAGE:2723180 /clone_end=3'		ACAAGGGGAACTTACTGCTCAAAAA
5742	Table 3A	Hs.157315	AW207701	6507197	UI-H-BI2-age-e-03-0-UI.s1 cDNA, 3'	-1	AGTGGTGTGGCAATAGGAAAAG
5743	db mining	NA	AW236186	6568575	end /clone=IMAGE:2724172 xn70e07.x1 NCI_CGAP_CML1 cDNA	-1	AAAAGATCAGGATGAGAAATTGCTT CCAAGGGCCTTTTGGGGTTGTTTCCT
5744	db mining	NA	AW236203	6568592	clone IMAGE:2699844 3', mRNA xn70h07.x1 NCI_CGAP_CML1 cDNA	-1	ATAACTTCAGTATTGTAAATTAGT CATAAAGGGGCATTGCCCTAGCCGG
5745	db mining	Hs 330063	AW236208	6568597	clone IMAGE:2699869 3', mRNA xn71a06.x1 cDNA, 3' end	-1	TCCGGCCTTTTTCCAGTCCATCCTG AGGTTTAAGAAATTTCCCCTAAATCTT
5746	db mining		AW236252		/clone=iMAGE:2699890 /clone_end=3' xn71g08.x1 cDNA, 3' end	-1	GTTTGGTTGGTTGGGATGAAAAGT AATTGATCCCATTCTTGCTGAAGTAG
	•				/clone=IMAGE:2699966 /clone_end=3'		ACAGTGCCCTCAAGTGGAATTAAA
5747	db mining		AW236271		xn72b03 x1 cDNA, 3' end /clone=lMAGE:2699981 /clone_end≈3'	-1	CTCCAATGCTGTTATCCCGGCTGGGT CCTCACACTCCCCCAACAATCCCA
5748	db mining	NA	AW236345	6568734	xn73c12.x1 NCI_CGAP_CML1 cDNA clone IMAGE:2700118 3' similar to	-1	AGAATGCGCTATTTCCCTCAAAGCCC TGGCTGTAATAAAGAAGCCGATTT
5749	Table 3A	Hs 253820	AW237483	6569872	contains element MER21 repetitive e xm72e01.x1 cDNA, 3' end	-1	CTGAGGTCAGTGTGGTTTGGTGGAA
	Table 3A		AW243795		/clone=IMAGE:2689752 /clone_end=3' xo56f02.x1 cDNA, 3' end	-1	GGATTATGATATTTACAAGCTGAGT GGTCAATGTTTTGAAATTTGTGGAGC
					/clone=IMAGE:2707995 /clone_end=3'		AAACCCCAGTTTTATGCCCTTGGT
5751	Table 3A	ns.250591	AW262077	oo38893	xp19e09.x1 cDNA, 3' end /clone=IMAGE:2740840 /clone_end=3'	-1	AGTTGGAAAATTTAGAAATGTCCACT GTAGGACGTGGAATATGGCGTCGA

Table 8

					145100		
5752	db mining	Hs 250591	AW262272	6639088	xp19e09 x1 cDNA, 3' end	-1	TTCACGTCCTAAAGTGTGGTAGACGC
					/clone=IMAGE 2740840 /clone_end=3'		GCCCGCGAATTTAGTAGTAGTAGG
5753	Table 3A	Hs.277994	AW262728	6639544	xq94a12.x1 cDNA, 3' end /clone=IMAGE:2758270 /clone_end~3'	-1	GGACAAGTGGCATCCGTATTATATTT CCCACCATTCCTATTCTTAATCCC
5754	db mining	Hs.61345	AW262891	6639707	mRNA for KIAA1154 protein, partial cds /cds=(0,676)	-1	GGTCTGCCTCAGTCTTCTACTCATCA GCACCACACTGTCAAAATGTTGGA
5755	Table 3A	Hs.5662	AW264291	6641033	guanine nucleotide bındıng protein (G protein), beta polypeptide 2-like 1 (GNB2L1), mRNA /cds=(95,1048)	-1	AGATGAATTGAAGCAAAAAGTTTTCA GTACCAGCAGCAAGGCAGACCCCC
5756	Table 3A	Hs.122655	AW274156	6661186	hypothetical protein MGC14425	-1	TCACCTCCACCTCTGAGGGAGCAAC GAATACAAAGGTAGACCCCCAAAAG
5757	Table 3A	Hs 250600	AW291304	6697940	(MGC14425), mRNA /cds=(318,686) UI-H-BI2-agk-a-02-0-UI s1 cDNA, 3'	-1	CCCCAGCCAGCACTTCCCTTTTCTGC
5758	Table 3A	Hs 47325	AW291458	6698021	end /clone=IMAGE:2724386 UI-H-BI2-agh-c-02-0-UI.s1 cDNA, 3'	-1	GAGGGTTTTCTGTTTCTTTGATTA AGAAAATTTGAACCCTACGCTTCTCC
5759	Table 3A	Hs.170381	AW291507	6698143	end /clone=IMAGE:2724099 UI-H-BI2-aga-g-11-0-UI.s1 cDNA, 3'	-1	CATCCCACTTCTTACTCCATCCCG CTGTGGCATCATTCACACCACCAGCA
5760	db mining	Hs.255118	AW292757	6699393	end /clone=IMAGE:2723900 UI-H-BW0-aij-b-12-0-UI.s1 cDNA, 3'	-1	GAGTCCCTTCCAAGAGGGGTCTGG CCGTGTTAAAACCAAAGTTTGGGATT
5761	Table 3A	Hs.255119	AW292772	6699408	end /clone=IMAGE:2729423 UI-H-BW0-aij-d-03-0-UI.s1 cDNA, 3'	-1	TTTCGGGTATTCATTGGAAGTCAC CGAGAGCCTGGAAGCTTTGCACACTA CTGCCTGGAAGATCTGATTCTTTG
5762	db mining	Hs.255123	AW292814	6699450	end /clone=IMAGE:2729501 UI-H-BW0-aij-h-02-0-UI.s1 cDNA, 3'	-1	TGTTTTAAAAGTGGGTTTATTTCAACC
5763	db mining	Hs.255129	AW292855	6699491		-1	CCTTCACTCCCGGTTGGTGACCG TCTTCTCCAGTCTTCAGCAAGTAGC
5764	db mining	Hs.255544	AW292873	6699509	end /clone=IMAGE:2729117 UI-H-BW1-ame-e-09-0-UI.s1 cDNA, 3'	-1	TTCTTTCAGAACTGCCTCCCCG GTTTTCTGCATCCCAAATGTCCTGGG
5765	db mining	Hs.255134	AW292900	6699536	end /clone=IMAGE:3069784 UI-H-BW0-aig-a-05-0-UI.s1 cDNA, 3'	-1	GCATGTGTCCCTTCCTTGCTGACC TGTTATGATTCTCTCAATTTCATAAAG
5766	db mining	Hs.255135	AW292902	6699538	,	-1	CTCTTCTGGCAGAGGAGACAGAT AAATGGATTACAATTTCCCTGACATTT
5767	db mining	Hs.255139	AW292928	6699564	end /clone=IMAGE:2729004 UI-H-BW0-aig-d-11-0-UI.s1 cDNA, 3'	-1	GGGCATAAAACATCTGCCATCCT TCCTCCTTCCAGAGACCTTTGCTTTA
5768	db mining	Hs.255140	AW292941	6699577	end /clone=IMAGE:2729156 UI-H-BW0-aig-f-10-0-UI.s1 cDNA, 3'	-1	CTGCCATTTTTTCTGTGGGCTTTT AGGCATAGCAGTAGAATCTGTCAAAA
5769	db mining	Hs.255142	AW292960	6699596	end /clone=IMAGE:2729250 UI-H-BW0-aih-a-02-0-UI.s1 cDNA, 3'	-1	AGGAGGCATGGAATGAAATGAACC CTGACCCTCTCGCCCCTCCACCTGTG
5770	db mining	Hs.147728	AW292989	6699625	end /clone=IMAGE:2728995 RST12623 cDNA	-1	CTTCTGCCCTAGGATAACGCTGGG GACCCAAAGAAAAGA
5771	db mining	Hs.255152	AW293001	6699637	UI-H-BW0-aih-d-12-0-UI.s1 cDNA, 3'	-1	TGTAGCAAATGTAGCAAGGAGGCA CTAATTTCCCACTAAAAGGTCCAGAA
5772	db mining	NA	AW293017	6699653	end /clone=IMAGE:2729159 UI-H-BW0-ain-f-06-0-UI.s1 NCI_CGAP_Sub6 cDNA clone	-1	AAATTGATGCCACCTGTAGTTTGG GTAAAGTTCCAAGCGAGTGGAAGGTA AATCACGACTGTGGCACCGGAGCC
5773	db mining	NA	AW293143	6699779	IMAGE:2729243 3', mRNA sequence UI-H-BW0-aii-a-03-0-UI.s1 NCI_CGAP_Sub6 cDNA clone	-1	GAAACTGAATGACCATGGAATGCTGA AATTCCAAAAGAAAAACGTCGCGC
5774	db mining	Hs.255172	AW293158	6699794	IMAGE:2729356 3', mRNA sequence UI-H-BW0-aii-b-07-0-UI.s1 cDNA, 3'	-1	TCTCTCAGGTCGTCTTCAGAGTCCAT
5775	Table 3A	Hs.166975	AW293159	6699795		-1	TCCCTTTGTCTTGATCTTTTCTCT CTCCCATCATCCCTCCCGAAAGCCA
5776	db mining	Hs.255174	AW293172	6699808	(SFRS5), mRNA /cds=(218,541) UI-H-BW0-aii-c-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729466	-1	TTTTGTTCAGTTGCTCATCCACGC GCCCTGCCCCCTACCCTTGCCCTTTA AATTTTTGGGACTGAATAAAGAAT
5777	Table 3A	Hs.255178	AW293267	6699829	UI-H-BW0-aii-e-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729562	-1	TGCAGGATAACTTGCTCATGAAAGGA AATGCCAGATTAAACCCCTTGCCA
5778	Table 3A	Hs.75354	AW293424	6700060	mRNA for KIAA0219 gene, partial cds /cds=(0,7239)	-1	GCCTTCCTTCGTTCCTTTCCAGGCA ATAATGACATCATTAGTGATGCAA
5779	Table 3A	Hs.255200	AW293426	6700062	UI-H-BI2-ahm-b-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2727122	-1	CGCCACGCTCCAATCCCTATATGAG TGAGCAGTAGAATCACATAGGAAT
5780	Table 3A	Hs.10041	AW293461	6700097	602713308F1 cDNA, 5' end /clone=IMAGE:4853616 /clone_end=5'	-1	CCTAGAATCAGACTTTAAGCACAAGC AGGGAGGGAAAGCACTTGAGCAGT
5781	db mining	Hs.291317	AW293859	6700495	nx40e10.s1 cDNA, 3' end /clone=IMAGE:1258602 /clone_end=3'	-1	GCACATGCAAAAACTCAGATGTGCAA ATAACTGTTCCCTATTAACTACAA
5782	Table 3A	Hs.255249	AW293895	6700531	UI-H-BW0-ain-f-10-0-UI.s1 cDNA, 3' end /clone=IMAGE.2729995	-1	GGTGCTCAAACTGTATTTTCTCCCTC CCTCCCTCCTTCTTTCTTTCCAGA
5783	db mining	Hs.255251	AW293922	6700558	UI-H-BW0-aik-a-04-0-UI s1 cDNA, 3' end /clone=IMAGE:2729382	-1	TTCTTCCACGGGATTTCTAATTCATTA AATAGGACCTCCACACCAGACCT
5784	db mining	Hs.255253	AW293949	6700585	UI-H-BW0-aik-c-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729490	-1	TATCCAGCCTGACTTCTTCATGCTGT ACTAGCCTTCCAATCCTTAACTAA
5785	db mining	Hs.255254	AW293950	6700586	UI-H-BW0-aik-c-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729492	-1	TGACATTGGGGGTCAAACCCTTTTG TTTAAATTTTCCCTTTCCCAGGGC
5786	Table 3A	Hs.255255	AW293955	6700591	UI-H-BW0-aik-d-05-0-UI s1 cDNA, 3' end /clone=IMAGE:2729528	-1	GCTGTGCCACGGTCAGGTGGCTTCC AATCTGTACTCAATTGTTACTGTAC
5787	Table 3A	Hs.190904	AW294083	6700729	UI-H-BI2-ahg-b-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2726720	-1	TCAGAGATGCTGATGTCATATAAGTA GTTTCCCTGTCTGGCCTTGGATGT

Table 8

					145100		
5788	db mining	Hs 255330	AW294618	6701254	UI-H-BW0-ail-a-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729385	-1	GTATGACTGATGATAGCTGCGAATGA GGAGGAGGGAAGGCTGGAG
5789	db mining	Hs.255333	AW294644	6701280	/clone_end=3' UI-H-BW0-ail-c-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729493	-1	CCATTGCCCCGGTGTTTTGGTTTAAT TTTCCCAGGCTTATTTTAAAGGCC
5790	Table 3A	Hs 255687	AW294654	6701290	UI-H-BW0-ail-d-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729539	-1	AGGAAATTAAACATGAGCATGACATG ACCCCAACTCTCAAGAAATCCCCA
5791	Table 3A	Hs 255336	AW294681	6701317	UI-H-BW0-ail-g-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729683	-1	ATCAGGTCCCCTACAAAATTAGCTAC TTTGGCCTTTCCTACAAAATTAGC
5792	db mining	Hs 255337	AW294692	6701328	UI-H-BW0-ail-h-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729733	-1	TCATTCGTTTGCTTTCTCTGACTGACA GGCAGTAATGACTTCAATAAGCT
5793	Table 3A	Hs 255339	AW294695	6701331	UI-H-BW0-aim-a-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729738	-1	AGGGCCTGCTTCAGAGTTTGTTTCCT AAATAAAACAATGGCTCTCCCCGT
5794	db mining	Hs.255341	AW294697	6701333	UI-H-BW0-aim-a-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729742	-1	CCCCCAACTTACATGGAAAAGGGATG GTTGCATTTCTGTGTCATATGCAT
5795	db mining	Hs.342539	AW294717	6701353	UI-H-BW0-ajl-g-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732333	-1	GCAGAGGGAAGAGGAAATGCTTTGA AGCCTTGCTAGTTATTTAATTAGTT
5796	db mining	Hs 255347	AW294739	6701375	UI-H-BW0-aim-f-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729988	-1	GACATAGTTGCAAAACACAATACTTA ATACTTTTTCTGGAGGAGGGGGCC
5797	db mining	Hs.255354	AW294769	6701405	UI-H-BW0-ail-g-02-0-UI.s2 cDNA, 3' end /clone=IMAGE:2729667	-1	ACCCCTTTTCTTAATTTCTCAGGAAAA TGGCAGCTCCTTCTTTTGTCGTC
5798	db mining	NA	AW294812	6701448	UI-H-BI2-ahi-d-06-0-UI.s1 NCI_CGAP_Sub4 cDNA clone	-1	CCTCCGGTGTCTTCGGAAGCACTGAA GGGACATCTGGGGACCCTCACCTG
5799	db mining	Hs.255388	AW295071	6701707	IMAGE 2726842 3', mRNA sequence UI-H-BW0-ait-c-03-0-UI.s1 cDNA, 3'	-1	ACTCTTTGACCAATAAATCACTGGAA
5800	Table 3A		AW295088	6701724	end /clone=IMAGE:2730245 UI-H-BW0-ait-d-09-0-UI.s1 cDNA, 3'	-1	TAGAGGTTCCAGCATATTCTGAGA ATGCTTACACCCTGGATGAATAAAGT
5801	db mining		AW295376		end /clone=IMAGE:2730305 UI-H-BI2-ahv-f-03-0-UI.s1 cDNA, 3'	-1	CTTTATTTACACCTCCACCTCCCC CTCTTCACAGGTCATAAGCCCCTCTG
5802	db mining		AW295597		end /clone=IMAGE:2728085 UI-H-BW0-aip-a-10-0-UI.s1 cDNA, 3'	-1	AGCGGCGACAGTCCTCGCATCCAG CAGCTCGACCTCAGTCCCCTTCAGAA
5803	Table 3A		AW295610		end /clone=IMAGE:2729779 UI-H-BW0-aip-c-03-0-UI.s1 cDNA, 3'	-1	ATAAGATGGCGGCTGCGCTGACAG TTTCAACGTGTACCTTTCCTGGGAAA
5804	db mining		AW295616		end /clone=IMAGE:2729861 UI-H-BW0-aip-c-09-0-UI.s1 cDNA, 3'	-1	CCATCTCAATAAACACATTTTGGT GCTGGACACATGGGTTAAGAGGAGG
	as mining	110.200 110	7.00200010	0,02202	end /clone=IMAGE:2729873 /clone_end=3'	·	AAAAGTAGGAAAGGAGGAGGGAAA
5805	db mining	Hs 255449	AW295629	6702265	UI-H-BW1-amu-a-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:3071128	-1	GGCTGGGACCAGGGTTTTTCAAGCC ACCTTTTCCTGTCTCAGTTCAGAGA
5806	Table 3A	Hs.255454	AW295664	6702300	UI-H-BW0-aip-g-12-0-UI s1 cDNA, 3' end /clone=IMAGE:2730071	-1	CCCACTTTCACACATGACTCACACGA CTGAAGGAAAGAAAGGGCATCCTT
5807	db mining	Hs.255455	AW295669	6702305	UI-H-BW0-aip-h-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730107	-1	AAGAAATTAAGGAAGGCAAGAGGGTA GGTGTTGGCCCATGGAAGTTTCCC
5808	db mining	Hs.255457	AW295688	6702324	UI-H-BW0-aiw-b-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730578	-1	CTGGCAAATATTGCGGAAGATGTACT GAAATGTAATTGAAATGTAGCTGC
5809	db mining	Hs 255459	AW295711	6702347	UI-H-BW0-aiw-d-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730676	-1	AGCATAAGAGATACGAAGCTGATGGT AATTAACTTGTACCCCTTGAAGTG
5810	db mining	Hs.255462	AW295724	6702360	UI-H-BW0-aiw-e-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730734	-1	AGTGTCAGACAATTAGATACTCTTTC CTGTCTTCAGGAGCCCATCTGGAA
5811	db mining	Hs.255464	AW295731	6702367	UI-H-BW0-aiw-f-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730776	-1	GAAGTGTAAACATGCCAACAGGGTTT ATATTTAGGTTCCAAGAGTTGCCA
5812	Table 3A	Hs.156814	AW295965	6702531	KIAA0377 gene product (KIAA0377), mRNA /cds=(126,4346)	-1	CTTCCCAAACTCCATTGTCTCATTCTC ACTGCTTATGTTATTGCTCTTAT
5813	Table 3A	Hs 255492	AW296005	6702641	UI-H-BW0-aiu-b-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730552	-1	CCCACACAGCAGAGAAGTATCAGAAA ACATAGAAACATGTGAAAATGCGC
5814	db mining	Hs 255495	AW296020	6702656	UI-H-BW0-aiu-c-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730612	-1	AGGTTCAATTCATTTTCCTGAGATGTT TGGTTTATAAGATTTGAGGATGGT
5815	db mining	Hs.255497	AW296044	6702680	UI-H-BW0-aiu-e-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730714	-1	ATACTTAGATGTGCTTGGATCCTGGG TGGGAGGCTTGGTTAGAAGTCACG
5816	db mining	Hs.255498	AW296054	6702690	UI-H-BW0-aiu-f-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730762	-1	TGGGTCAGCGTGTTCAATTTTAAATA GGAATACACTAGCCTTACAACGGA
5817	đb mining	Hs.255499	AW296058	6702694	UI-H-BW0-aiu-g-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730794	-1	TGTTCATCTTGATGTAATAGAGAAGG AAAGAGAGAGCATCCCTTTTCAGT
5818	Table 3A	Hs.255501	AW296063	6702699	UI-H-BW0-aiu-g-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730806	-1	ACCAGTAACACAATGACGGCAAGCAC AGAGAAGGAAAAAGTCAGATCCCC
5819	db mining	Hs.255502	AW296066	6702702	UI-H-BW0-aiu-g-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730812	-1	ACTTGGAGCTAGAGAGCCACCCATCA TATGGAGGAGAAGTGGTCACTCTA
5820	db mining	Hs.34871	AW296352	6702988	zinc finger homeobox 1B (ZFHX1B), mRNA /cds=(444,4088)	-1	TGCATGTGTGTTGTGTACTTGTCTGT TCTGTAAGATTGTCGGTGTTACAC
5821	db mining	Hs.255543	AW296373	6703009	UI-H-BW0-aio-c-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729874	-1	TTCCTGGCAGTAAAGAAAGAAAGAA GATGTGAGTTATGAAGCATTGACT
5822	db mining	Hs.255546	AW296398	6703034	UI-H-BW0-aio-f-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730000	-1	AAATAGGAATATAATCTGTCCACATC AAAGAATGGGAAGTCGAAGTGTACA
5823	db mining	Hs 255549	AW296404	6703040	UI-H-BW0-aio-f-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730014	-1	GTTCCAAATGTTTTCCGCTAATAGTTT GTCCTAAAGCCTTTGCCATTCCT

Table 8

					100100		
5824	db mining	Hs.255552	AW296446	6703082	UI-H-BW0-aiq-b-07-0-UI s1 cDNA, 3'	-1	ACAGAGAAGGCTTATTTACGTTGGGA
5825	Table 3A	Hs.255554	AW296490	6703126	end /clone=IMAGE:2730180 UI-H-BW0-aig-f-08-0-UI s1 cDNA, 3'	-1	ATTACATTAAGGAAAAGTGGTGAC CCTTCCTCCTATATCCTGCCTTGAAT
			********		end /clone=IMAGE:2730374		AGGGATGTGATACCTTGAGCCATG
5826	db mining	HS.255556	AW296504	6703140	UI-H-BW0-aiq-g-12-0-UI s1 cDNA, 3' end /clone=IMAGE:2730430	-1	ATATTTGGGTCTCTGTTTAAGATTTCA TTGCCGTGGTAGGGAGAGTTCCA
5827	db mining	Hs.255558	AW296511	6703147	UI-H-BW0-aiq-h-08-0-UI s1 cDNA, 3'	-1	TGGATGCCATGATGACACCAATAAGC
5828	Table 3A	Hs.255559	AW296532	6703168	end /clone=IMAGE:2730470 UI-H-BW0-aiv-b-07-0-UI.s1 cDNA, 3'	-1	AACCCACAGATTAGGGGAAATACT GGGGCTGGGAGCCACCAAAAGGGCC
5829	Table 3A	Hs 255560	AW296545	6703181	end /clone=IMAGE:2730565 UI-H-BW0-aiv-c-11-0-UI s1 cDNA, 3'	-1	TGCTCTTCGGAGAAATGCTGAATTC AGGCATCTTGAAAGTTCCATAAAGAC
3029	I able on	113 233300	AVV230040	0703101	end /clone=IMAGE:2730621	-1	AGAAGTAAGGGTCATTCAGTCATT
5830	db mining	Hs.255561	AW296567	6703203	UI-H-BW0-aiv-f-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730751	-1	AGCTAAAGCCACGGAACTCAATGAGA TTTATGCATGGAAGGAAACAGGTT
5831	db mining	Hs.255569	AW296695	6703331	UI-H-BW0-aix-c-06-0-UI.s1 cDNA, 3'	-1	TGTTCTCTCGAACTCTGGAGCACA
5832	db mining	Hs.255572	AW296727	6703363	end /clone=IMAGE:2730635 UI-H-BW0-aix-f-09-0-UI.s1 cDNA, 3'	-1	TCAGCTCTCTCTGCATAAACTGTT ATCTGGAGGATGGCAGTTTGAGAATT
	·				end /clone=IMAGE:2730785		AGGACTAAGCCCGTCTCCCCTTTG
5833	Table 3A	HS.2555/3	AW296730	6703366	UI-H-BW0-aix-f-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730791	-1	CATTAGCTCTCTAAACATTTGGCCTA AGGGATTCATAGGTGAAGCCTTTA
5834	db mining	Hs 255575	AW296758	6703394	UI-H-BW0-ajb-a-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730931	-1	GGTAGGATTTATCCTTTTCTTCATGTG CAACTGTATAAACTGGCAAAGCA
5835	db mining	Hs.255577	AW296773	6703409	UI-H-BW0-ajb-c-04-0-UI.s1 cDNA, 3'	-1	AGTCTTATGGGACAGAGCAGCTCTCC
5836	Table 3A	Hs.255579	AW296797	6703433	end /clone=IMAGE:2731015 UI-H-BW0-ajb-e-07-0-UI.s1 cDNA, 3'	-1	AGTCTAGGATGGTAGAAGATTCTT GAGTCTGTACCCCTTTCTAATAAACT
					end /clone=IMAGE:2731117		GCTCTGGACACAATGAACCCTGAA
5837	db mining	Hs 255580	AW296802	6703438	UI-H-BW0-ajb-f-02-0-UI s1 cDNA, 3' end /clone=IMAGE:2731155	-1	CCATCGGCAAGCCTTGGTGGGTTCAT ATTCAGTGGCATTAGGGATTAAGG
5838	db mining	Hs.255590	AW296914	6703550	UI-H-BW0-ajc-a-12-0-UI.s1 cDNA, 3'	-1	CCATTTCTTCTGGATCCTCTCCTAGTT
5839	db mining	Hs.255591	AW296947	6703583	end /clone=IMAGE:2731294 UI-H-BW0-ajc-e-05-0-UI.s1 cDNA, 3'	-1	GTCTTTGTGTGGACGCACAAGCG GATCCTTTGCTGACACTGGTTTCTCT
5840	db mining	Up 255509	AW297024	6703660	end /clone=IMAGE:2731472 UI-H-BW0-ajf-e-04-0-UI.s1 cDNA, 3'	-1	CTTATTTTGCCCCGCCAATAAAAA TCTGTCTGAAACTTCTTTTCTCTGA
					end /clone=IMAGE:2731495		GAATTAAATTTTCCAATGGACCGT
5841	db mining	Hs.255600	AW297026	6703662	UI-H-BW0-ajf-e-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731499	-1	GATCTGTGTTTTCCTCCCAAAAGAAG ATCATCTTTCCAGAAAAAGAGGAT
5842	db mining	Hs.255601	AW297030	6703666	UI-H-BW0-ajf-e-10-0-UI.s1 cDNA, 3'	-1	TTCCATATGTCACTGTATCTGCCTGG
5843	db mining	Hs.288403	AW297036	6703672	end /clone=IMAGE:2731507 AV757131 cDNA, 5' end	-1	CATTACCCCTTCTTAAAACACACA GCTCACTACCACTTCTTCAAATCCAG
5844	db mining	He 255614	AW297162	6702909	/clone=BMFAKG04 /clone_end=5' HNC68-1-F10.R cDNA	-1	CTAAAAGCATCACGGCCTCAATGA GTCTGGTTGTTAGCTTTCCCGATCCT
3044	ab mining	FIS.2330 14	AVV297 102	0703000	HNCOO-1-FTO.R CONA	-1	CCACACATTGGAAACCTAAGCATA
5845	db mining	Hs.255615	AW297175	6703811	UI-H-BW0-ajd-c-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731375	-1	GGGCAATGGAGCCACAGACTCTCTA ACTTCAAGAGGTGTTTCATAGGTGT
5846	db mining	Hs.255618	AW297199	6703835	UI-H-BW0-ajd-e-07-0-UI.s1 cDNA, 3'	-1	AGCTGAGGTCAGACAAACCACAACAT
5847	db mining	Hs.255617	AW297201	6703837	end /clone=IMAGE:2731477 7k38c02.x1 cDNA, 3' end	-1	ATATGCAGATTTATCAGCAATAAA CCTGCCAGGGTTGTTCGGAAGTCGC
5848	db mining	He 255621	AW297220	6702056	/clone=IMAGE:3477507 /clone_end=3'	-1	AGGTCCGAAAATCTCCTCCGCATAC CTTCTCTGAAATGGTACGCCTATACT
	•				UI-H-BW0-ajd-g-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731577	-1	TGCATTTCTGAGAAGCCAAACAAA
5849	db mining	Hs.255622	AW297233	6703869	UI-H-BW0-aji-a-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731684	-1	AGTTTTCTGGCTAAGTCACCTCTTAA GGAGATCCCTGTAAAATTCACCCT
5850	db mining	NA	AW297255	6703891	UI-H-BW0-aji-c-04-0-UI.s1	-1	CAGATTAAAAACCCCATCCCGGCCCT
					NCI_CGAP_Sub6 cDNA clone IMAGE:2731782 3', mRNA sequence		CACCGAGGTGTTACAACTCTGTCC
5851	db mining	Hs.48820	AW297262	6703898	TAFII105 mRNA, partial /cds=(0,2405)	-1	AGCAAATTACTCTGCCTGGAAATAAA ATTCTGTCACTTCAAGCATCTCCT
5852	db mining	Hs 255626	AW297265	6703901	UI-H-BW0-ajj-d-02-0-UI s1 cDNA, 3'	-1	TCCAGGCACTGTATAGGTGGCGAGG
5853	db mining	Hs 255630	AW297294	6703930	end /clone=IMAGE:2731826 UI-H-BW0-aji-f-09-0-UI.s1 cDNA, 3'	-1	ACACAATGATAGGCAAAGTAGTACA ACAGACCCAAACCTCACAGAGTGAAA
					end /clone=IMAGE:2731936		GGGGACTTTCCTCACAGAGTGAAA
5854	db mining	HS.255632	AW297313	6/03949	7k46h07.x1 cDNA, 3' end /clone=IMAGE:3478525 /clone_end=3'	-1	TTGCTTCAGACTTTTAACAACAATCCT AGAAGCCAGAAAACAATGAAGAAA
5855	db mining	Hs.255633	AW297317	6703953	UI-H-BW0-aji-h-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732038	-1	TTCTGTCAGGGCTTCAAAAGAGACTT CCATAGTTTTGGGAACTGGAGTCA
5856	db mining	Hs.255634	AW297318	6703954	UI-H-BW0-air-a-01-0-UI s1 cDNA, 3'	-1	GATATATTGAAGGTCAGAGGCAGAGC
5857	db mining	Hs.255635	AW297328	6703964	end /clone=IMAGE:2730121 UI-H-BW0-air-a-11-0-UI.s1 cDNA, 3'	-1	TAAACAGGTGATGCCACTGGGTCT AGGCTCTTGTTGAGTATTCCTTTGATT
	· ·				end /clone=IMAGE:2730141		CCTGCTTCTGTCTTTTTAAATCA
5858	Table 3A	HS.255637	AW297339	ช703975	UI-H-BW0-air-c-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730221	-1	ACACACCAAAAGAAATAGAAGAGTCT TTTTCTGCCCTTGGGGAATCTGCA
5859	db mining	NA	AW297356	6703992	UI-H-BW0-air-d-08-0-UI.s1	-1	ACACCCAGCACCCACAGGGAAGAAA TAATTCCACAGAGCTAAGTATTCCA
					NCI_CGAP_Sub6 cDNA clone IMAGE.2730279 3', mRNA sequence		
5860	db mining	Hs.330185	AW297367	6704003	UI-H-BW0-air-f-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730361	-1	TGTGCCTGTGTGCTCCAGCCTCTTCC TATGTGTGTAACTTCAATAAAACC

					Table o		
5861	db mining	Hs.255644	AW297374		UI-H-BW0-air-f-08-0-UI s1 cDNA, 3' end /clone=IMAGE:2730375	-1	ACCGAGTGTTACCGCAAGAGGTGTAA AAATCCAGGTTCATGTTTGCACAC
5862	db mining	Hs.255645	AW297384	6704020	UI-H-BW0-air-g-08-0-UI s1 cDNA, 3' end /clone=IMAGE.2730423	-1	TCCTGATTCTCAAAGTACCCCCTTCC CTACAACTCTAACATGCTTTGTCT
5863	db mining	Hs.255646	AW297390		UI-H-BW0-air-h-05-0-UI.s1 cDNA, 3'	-1	CCATGATTTTTCCAATGGACAAGCAC TATTAACATGGGACTGTATTTCCT
5864	Table 3A	Hs.255647	AW297400	6704036	end /clone=IMAGE:2730465 UI-H-BW0-ais-a-05-0-UI s1 cDNA, 3'	-1	AATAGAACTGATAGCCCATGATGATT GGCTGGCAGGGTTAAGGAAGTGGG
5865	db mining	Hs.255648	AW297401	6704037	end /clone=IMAGE:2730152 UI-H-BW0-ais-a-06-0-UI.s1 cDNA, 3'	-1	TCCCAGGAGAGTCACATTTCTTTTC ACTAAATAAGGAGGGGAAGAAAA
5866	db mining	Hs.255649	AW297407	6704043	end /clone=IMAGE:2730154 UI-H-BW0-ais-b-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730194	-1	GGGTTACCTCACTTTCTAGGTTCCCA AGATTCCCAAGTTAAGGAAGCTTT
5867	db mining	Hs.255650	AW297411	6704047	UI-H-BW0-ais-b-07-0-UI s1 cDNA, 3' end /clone=IMAGE:2730204	-1	AAAGCGTCCAGTCCCCCTAACTCAAA CACAGAAACATAACAATTTTACAA
5868	db mining	Hs 255653	AW297426	6704062	UI-H-BW0-ais-c-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730262	-1	CCCAGGGCTCCTCCACCTGAAAGAAT TGTCAGGGTTTCAGATCAGCTAAA
5869	db mining	Hs.255657	AW297443	6704079	UI-H-BW0-ais-e-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730352	-1	TGGCCTCCACCCATTAAACTGTCTTT GCCTAAGACAAATAATTCCCAGGA
5870	Table 3A	Hs.255661	AW297522	6704158	UI-H-BW0-aja-e-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731106	-1	TGTACTCCTGATGCCTGAAAATCGTT AAGTGAAGACTTATCACATTACCG
5871	db mining	Hs.255665	AW297581	6704217	UI-H-BW0-ajg-b-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731718	-1	ATCCTTCAGATTGAGCTGGGTGTCAG CATTCAATTCCACAAGGCTACCTG
5872	db mining	Hs.255666	AW297590	6704226	RST6539 cDNA	-1	TGGATAAGCAATATGTTGGACTAGTA TGAAAATGGCATTCCCAGCAGTGA
5873	db mining	Hs.255672	AW297626	6704262	UI-H-BW0-ajg-f-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731918	-1	TCACTAGCAGAATATAGTGGGCATGA CCAGTATCCTAGTAGAGCTGACCC
5874	db mining	Hs.255673	AW297636	6704272	UI-H-BW0-ajg-h-03-0-UI s1 cDNA, 3' end /clone=IMAGE:2731996	-1	AGTTTCTTTCTTACAATGGGGGTCTG AAATCCAGGGTTTCCACACCAGGG
5875	db mining	Hs.255674	AW297649	6704285	UI-H-BW0-ajh-a-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731665	-1	CCAAATACTTAGTGTAGTTGACTTGT CTTGGGTTGCACTGTAAGGCAGAG
5876	db mining	Hs.255675	AW297651		UI-H-BW0-ajh-a-07-0-UI.s1 cDNA, 3' end /clone=IMAGE.2731669	-1	CAAGAGTTTCCATGCGTCCAGTGATG ACCGGAATTAATCATGTATGGTGT
5877	db mining	Hs.255677	AW297664		UI-H-BW0-ajh-b-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731725	-1	GTTTCTAACCCATAAGTGCCTCATAC ATACATTGCTAGTCTAAAGAGCTTT
5878	db mining	Hs.255679	AW297692	6704328	UI-H-BW0-ajh-e-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731857	-1	ACCGGCTAATTTTGTAACTGGCTTGT TTGTAAAATAAATCCTTCCTGTGT
5879	db mining	Hs.255681	AW297694	6704330	end /clone=IMAGE:2731861	-1	TGGTGGGACTATGTGTTATTCTTGTA TACTTGCAGTGGGTAGATGTCACT
5880	db mining	Hs.255682	AW297698		UI-H-BW0-ajh-e-11-0-UI s1 cDNA, 3' end /clone=IMAGE:2731869	-1	ACTTCCCTACCTCACAGGTTAGGATT CAAAGTGTGTATTCCCCCATTGTG
5881	db mining	Hs.255686	AW297728		UI-H-BW0-aiy-a-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730888	-1	GGGTGCTTTACAGGATTCTTGGAAAT GTGTAGTGGATGCTGGCTCTAGGG ACAGAAGCAGGGGGTCAGAAAGTTT
5882	db mining	Hs 255688	AW297749		UI-H-BW0-aiy-c-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730988	-1	CATAAAGGAGGTGTCTTGGAACAAA CTATTGTGTGGGTTGCCTTGTCCTAC
5883	db mining		AW297756		UI-H-BW0-aiy-d-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731032	-1	TCAACTTCAAATATTCACCACCCC CAGGTGTGCTTACTGGCAGGAACCG
5884	db mining	Hs.255691	AW297780		UI-H-BW0-aiy-e-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731100	-1	AGGGAATAAATAAAGATCACTGGAA ACCAGCCTTATGTGTGTGGGTATTCA
5885	db mining		AW297781		UI-H-BW0-aiy-e-12-0-UI.s1 cDNA, 3' end /clone=IMAGE;2731102	-1	ATACTCTGCACATTATATACTGTA GGGCATTTGTTACCCCCTCCTCACCA
5886	db mining		AW297785		UI-H-BW0-aiy-f-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731134	-1	CCATCCCCATTAAAGGCTTCGGGG CTGTATCTACAACTCCTGACTTCAGA
5887	Table 3A	Hs.255695		6704438	end /clone=IMAGE:2731192	-1	TTTTTGCTTTCTTCAAAACAGCCT AGCAAGACTTAACCACTAATTACTATT
5888	Table 3A		AW297827		2 UI-H-BW0-aiy-h-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731244	-1 -1	ATCTGACCCAGGAAAACTCCGCC TGGATAGTTGCTCAATGTAGCAGTGA
5889	_		AW297843		3 UI-H-BW1-aoa-c-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:3083913	-1 -1	TGTTCTTGGAATTGCCAGCAGAGC CCAACAGATTCGTGCTTACCCTGAGG
5890			AW297929		 5 yg18e06.s1 cDNA, 3' end /clone=IMAGE:32551 /clone_end=3' 5 UI-H-BW0-ajn-d-11-0-UI s1 cDNA, 3' 	-1	TGAAGCCTCGTTTGAGAACCAAAT CAACCTTCTTGTTGAATTGATTTACTA
5891	_		6 AW297949		end /clone=IMAGE:2732229 7 UI-H-BW0-ajn-e-01-0-UI.s1 cDNA, 3	-1	CTCATCAGGGTCATGCACAAGCA ACATTCAAACTGCCAGAATATGACTG
5892	-		AW297951		end /clone=IMAGE:2732257	-1	TAAAACAGCGAAGTGTTCTCTTGC TCTTCCTGGGAATGTGATGTTTTT
5893	•		3 AW297970	670460	end /clone=IMAGE:2732323 0 UI-H-BW0-ajn-g-02-0-UI.s1 cDNA, 3'	-1	CACTGGTTCTAATTCTGTCTTCCT ACTTATTAATTCTCACCTCAGCCTCA
589	_		AW297974		end /clone=IMAGE:2732355 UI-H-BW0-ajn-h-11-0-UI.s1 cDNA, 3'	-1	GGGATGTATGTAGGGAAGGAGCAT ACATTCCTGTCATTAGTGAATAAGAA
589			3 AW297994 7 AW298042		end /clone=IMAGE:2732421 8 UI-H-BW0-ajp-e-07-0-UI.s1 cDNA, 3'	-1	GCTGAGGTGTGACTAAGAAGACAA CCTCCTTGATAAAATCAAGAACAGGT
589			AW298042 AW298048		end /clone=IMAGE.2732629 4 UI-H-BW0-ajp-f-01-0-UI s1 cDNA, 3'	-1	TAGATTAAAGCAGTAAATCCTAGACT TCCTGGCCTTTGTGGGTTTTTAATTC
589° 589			1 AW298073		end /clone=IMAGE:2732665 9 UI-H-BW0-ajp-h-05-0-UI s1 cDNA, 3'	-1	CCTTTACCTTTTCCCTTTTTGGAT ACTGCTGCAACTACAATTCTCAGATA
509	o an manag	110.20012		2. 3 . 7 0	end /clone=IMAGE:2732769		GTCCCATTTGTTTAAATCACGCAT

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5899	db mining	Hs 342533	AW298095	6704731	UI-H-BW0-ajs-b-12-0-UI.s1 cDNA, 3' end /clone=IMAGE.2732878	-1	CCTTCCCTCTTGCCTGTAGGTTCTGT GGCTATAAACAAATCATAACTTTT
5900	db mining	Hs 255725	AW298106	6704742	UI-H-BW0-ajs-c-07-0-UI.s1 cDNA, 3'	-1	TTAAATGCTTCCCTGGCTCTCCCTGG GTTTCAGTTTCTATCCATGCCCTG
5901	db mining	Hs.255726	AW298110	6704746	end /clone=IMAGE 2732916 UI-H-BW0-ajs-c-11-0-UI s1 cDNA, 3'	-1	TTGTTCTCCTCCCAAGTCTCTGGTTC TATTTGGCTTTTCAGCTCTGTGC
5902	db mining	Hs.255727	AW298123	6704759	end /clone=IMAGE:2732924 UI-H-BW0-ajs-e-01-0-UI.s1 cDNA, 3'	-1	GCATTTCAGGGACACAAATGGTCCAT
5903	db mining	Hs 255736	AW298201	6704837	end /clone=IMAGE 2733000 UI-H-BW0-ajt-d-08-0-UI s1 cDNA, 3'	-1	GGCAGAGACCAGTAATGCCAGATA TTTTATCCCCGCTTTAACTTTGTTTGC
5904	db mining	NA	AW298208	6704844	end /clone=IMAGE:2732967 UI-H-BW0-ajt-e-05-0-UI.s1	-1	TTGGTACTTTTCTTGTGGTTACA CACGCACCCAACTCCCCACTGCTCCT
	42 mm.g				NCI_CGAP_Sub6 cDNA clone IMAGE:2733009 3', mRNA sequence		CTCCATCCAGATGTTCGTCCAGAG
5905	db mining	Hs.255740	AW298234	6704870	UI-H-BW0-ajt-g-09-0-UI.s1 cDNA, 3' end /clone=IMAGE.2733113	-1	TTTGAGGGCAATTTAATGGTTAAGTG TAGGAAAATCCACTCTTACAGTGT
5906	db mining	Hs.330191	AW298238	6704874	UI-H-BW0-ajt-h-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2733151	-1	GGCCTTTTGATTTTCCATTGGGGTCC CCCGCTTTCCCATTTTTGGTTTTT
5907	db mining	Hs.255743	AW298239	6704875	UI-H-BW0-ajt-h-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2733153	-1	GACAGTTTGGGGAAGGGATTGAAGG TCTGCGTCAAAGAGAAACC
5908	db mining	NA	AW298271	6704994	UI-H-BW0-ajk-d-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732184	-1	AGGGGCCTTTTACCGGTTTGTTTTCC CTTAAATTTTTAAAGGAATTGAATT
5909	db mining	Hs.183669	AW298312	6705035	mRNA for KIAA1271 protein, partial cds /cds=(72,1700)	-1	TCCTCTTTCTTGTCACTGTGAAGCGA TGAATAAACCTGGGTGTAGATCCA
5910	db mining	Hs.302681	AW298348	6704908	7j80e10.x1 cDNA, 3' end /clone=IMAGE:3392778 /clone_end=3'	-1	CCTAGAAATTATTATACAGGGATAAAT GAGGCACTGAAGGTGGGAGAACC
5911	db mining	Hs.255746	AW298349	6704909	UI-H-BW0-ajj-c-10-0-UI s1 cDNA, 3' end /clone=IMAGE:2731795	-1	ACGACAAACTGCACAGTAAATATCAC AAACACGGAAATACCACAGTGTCT
5912	db mining	Hs.255747	AW298355	6704915	UI-H-BW0-ajj-d-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731835	-1	ACCATGACTTGGCAAAGAGTTTCAAG AGAGGGCATAATCAAAAGTAACCA
5913	db mining	Hs.255749	AW298388	6704948	UI-H-BW0-ajj-g-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731983	-1	GATTAATCAAGGGAAGAGCTTCAAGC AGAGCTCCTTAGGTTTTTCAAAAA
5914	Table 3A	Hs.313413	AW298430	6705066	602721745F1 cDNA, 5' end /clone=IMAGE:4838506 /clone_end=5'	-1	GCTCAGGGGACAGCTATTCTTTTTCA AAGCGTTTACCGACTGGATCACCT
5915	db mining	Hs.255762	AW298437	6705073	UI-H-BW0-ajl-d-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732199	-1	TGAGAGCTTTCCTTCCTCCTACGATC CAACCATGTCAAACATTTCCTACA
5916	db mining	Hs.255763	AW298445	6705081	UI-H-BW0-ajl-e-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732245	-1	TGTGCCAACGCATGATTTCTTTGAGT AAATTTCTAAACGTCACAGAAGTT
5917	db mining	Hs.255764	AW298447	6705083	UI-H-BW0-ajl-e-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732249	-1	AGTCAACATGGAGCAAGTGAGCTAAG GAAGTAATGGAAACTGTTTGGAGA
5918	db mining	Hs.255766	AW298482	6705118		-1	AGCTCAGGTCTTCCCTCATCTGTTAG TTTCCTGGAGTCTGTTCTCATACT
5919	db mining	Hs.255767	AW298489	6705125	UI-H-BW0-ajm-a-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732078	-1	AAACATACTCCTCTTCACCAGCACTC AGACATTTGTATCCAGAGAAAGCT
5920	db mining	Hs 255768	AW298490	6705126	UI-H-BW0-ajm-a-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732080	-1	AGTCTGTCAATTGTTTAAGCCTGTGA TCTTTCTTTTCCCAGTTAAGAGTT
5921	db mining	Hs.255769	AW298494	6705130	UI-H-BW0-ajm-b-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732112	-1	TGTCCTCTCAACCCTACTTGTGGTTT TACACTGTTAATTACACTATTTGC
5922	db mining	Hs.132781	AW298502	6705138	3 class I cytokine receptor (WSX-1), mRNA /cds=(138,2048)	-1	GTGTGTGTATGGTTGTTGGGCGTAG GACAGGTTTCGGGGGATGCGCGGTAC
5923	db mining	Hs.255770	AW298503	6705139	UI-H-BW0-ajm-b-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732134	-1	CTGTGCTTGACTATTGAAAACTTAGA ATTGGGATGCCAAAGTTACTTCCT
5924	db mining	Hs.255772	AW298510	6705146	UI-H-BW0-ajm-c-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732180	-1	GGTTGTATCAAAAGAACTCCACATCC ATATTGAATAAACTCCCACTAGCC
5925	db mining	Hs.255777	AW298559	670519	5 UI-H-BW0-ajm-h-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732406	-1	GGCTGCCCAGATCTCGTGGGAAGAA GACCACAGGAGGACTCGGCTCAATG
5926	db mining	Hs 255779	AW298607	670524	3 UI-H-BW0-ajr-d-12-0-UI.s1 cDNA, 3' end /clone=IMAGE.2732615	-1	TGGAAAAATGATAGCAGCCAACTTGA CAGAAGAACCCAGCATACACATTC
5927	db mining	Hs.255782	2 AW298616	670525	2 UI-H-BW0-ajr-e-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732659	-1	TTGGTTTTGGGGATTGGGAAGTCTTA AGCCAAATTGTCCCCGGTCTCCCC
5928	db mining	Hs.255783	3 AW298627	670526	3 UI-H-BW0-ajr-f-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732707	-1	GCCCTATATCTAGTGAGCAGGTTGTG GCAATCAGGAAGGGATTGATATTT
5929	db mining	Hs 255784	4 AW298632	670526	8 UI-H-BW0-ajr-g-04-0-UI s1 cDNA, 3' end /clone=IMAGE:2732743	-1	TGCACGCAATGCTTGAAGTGTTCCCA GGTATTTAGTTTCAGGTAAATTTT
5930	db mining	Hs.25578	5 AW298647	670528	3 UI-H-BW0-ajr-h-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732801	-1	CTGTAGGTATGAGCTGCCAGGATCCA GGTGTGACTCGGGTATTTCTAGGG
5931	db mining	Hs.255788	B AW298675	670531	1 UI-H-BW0-ajo-c-03-0-UI s1 cDNA, 3' end /clone=IMAGE:2732524	-1	TCCCATTTGGGGGGTGGGCTGTTTAA ATTTTGACTCCCTGTTTTAAACCC
5932	2 db mining	Hs 255794	4 AW298720	670535		-1	CCACTTGCATCTCTTCTGGGGGTTCT TTCCTTTCTTTCCTGTTCTAAGGC
5933	3 db mining	Hs 25579	7 AW298752	670538		-1	TGGGTAATCAACACTCAACCATCAAC AAACACTCTCTATTCCAGGCACTG
5934	4 db mining	Hs 25579	9 AW298806	670544		-1	AGGAGAAATAATTAGAGTGGCACACT AGCATGATGGTAAACATTCTGTCA
5935	5 Table 3A	Hs 15739	6 AW300500	671017	7 xs66c06.x1 cDNA, 3' end /clone=IMAGE 2774602 /clone_end=3'	-1	AGGAGTTCAAGAAGCAGAGATTTCCA GGTCCATGCACCAAAGCTCATGTG

5936	Table 3A	Hs 262789	AW300868	6710545	xk07d09 x1 cDNA, 3' end	-1	CTTGTCCTCTCCTGATCCAGGGCTCC
5937	db mining	Hs 255880	AW337887	6834513	/clone=IMAGE 2666033 /clone_end=3' he12d07 x1 cDNA, 3' end	-1	AGTGCCCATGTCCAGTGCCTTGGT GCATCTCCCCGCTGTCAGCCTCAGC
5501	ab mining	113 233000	1111001001	0004010	/clone=IMAGE:2918797 /clone_end≈3'		CCTCTCCTACCAAAATCTCTTTCGA
5938	Table 3A	Hs 328348	AW338115	6834741	tp39g05 x1 cDNA, 3' end /clone=IMAGE.2190200 /clone end=3'	-1	GGCGTTTCCCATTGACCAGTTTGACC CTGGTTTGAATAAAGAGAAGTGCG
5939	db mining	Hs.255920	AW339530	6836156	he13d09 x1 cDNA, 3' end	-1	AGCCCATTGAAAACCTTGGCAAAATG
5940	Table 3A	Hs 255927	AW339651	6836277	/clone=IMAGE.2918897 /clone_end=3' he15g04.x1 cDNA, 3' end	-1	TCAGACCTTAAGACTTTCCACTAT TCAGAGACAACGGAAGCTGAAAAATA
5941	Table 3A	He 207005	AW340421	6837047	/clone=IMAGE:2919126 /clone_end=3' hc96h02.x1 cDNA, 3' end	-1	AGAGCTGAGAAAGGAAGAACTTTT ATATACATACAAATCTAAGCTCCAAG
3341	Table SA	113 207 333	AV1040421	0037047	/clone=IMAGE:2907891 /clone_end≈3'	-,	AAGCCTAAGAAAACCCCTTAGGGG
5942	Table 3A	Hs.256031	AW341086	6837631	xz92h04.x1 cDNA, 3' end /clone=IMAGE:2871703 /clone end=3'	-1	GGGCAATTTACATCGGGACTCGTTTC ATCTCTAGACCTTCACTTACCTGA
5943	Table 3A	Hs.283667	AW341449	6838075	arginyl aminopeptidase	-1	AGCTCTGGAGTGCCCCTCCCTCCAAA TAAAGTATTTTAAGCGAACACTGA
5944	Table 3A	Hs.337986	AW440517	6975823	(aminopeptidase B) (RNPEP), mRNA Homo sapiens, clone MGC:17431 IMAGE:2984883, mRNA, complete cds	-1	GCCAGTCTCTATGTGTCTTAATCCCT TGTCCTTCATTAAAAGCAAAACTA
50.45	Alle and alle	II- 050050	******	0070044	/cds=(1336,1494)		
5945	db mining	Hs.256956	AW440813	6976044	he03b05.x1 cDNA, 3' end /clone=IMAGE:2917905 /clone_end=3'	-1	CCCTCAGGCATAGAAATTGAATCTGA AATGGCTGATGAATAAGCAAAGGC
5946	db mining	Hs.313573	AW440817	6976048	he03c02.x1 cDNA, 3' end /clone=IMAGE:2917922 /clone_end=3'	-1	CAGCCCTGCCTGAGTTTTTGACACCT GCATCCCTCCCTGCCTCACCTCA
5947	Table 3A	Hs.256961	AW440866	6976172	he05f02.x1 cDNA, 3' end	-1	AGAGCAGGAGAAATCCTACTGCATTA
					/clone=IMAGE:2918139 /clone_end=3'		TTAATCTGAAAGCACAAGGACAGC
5948	Table 3A	Hs.173730	AW440869	6976175	Mediterranean fever (MEFV), mRNA /cds=(41,2386)	-1	CTGTCTTGGTTTGTATGGGAAAATCT GCGGGTTGTGGAATATTAGGTTCT
5949	Table 3A	Hs.118446	AW440965	6976271	HNC35-1-D12.R cDNA	-1	TGGGATTATAGGGGGAGACAGGAGT
5950	db mining	Hs.118446	AW440965	6976271	HNC35-1-D12.R cDNA	-1	TGTGGAATTACAGGAGAGGTTCACT TGGGATTATAGGGGGGAGACAGGAGT TGTGGAATTACAGGAGAGGTTCACT
5951	Table 3A	Hs.256971	AW440974	6976280		-1	CTGAGAAAAGGAGTGTCTCTCTCTG
5952	Table 3A	Hs.342632	AW444482	6986244	/clone=IMAGE:2918254 /clone_end=3' UI-H-BI3-akb-e-05-0-UI.s1 cDNA, 3'	-1	TCGAGGTTCTTCCCAAGAAAAGCCCA
5953	Table 3A	Hs.250	AW444632	6086304	end /clone=IMAGE:2733777 xanthene dehydrogenase (XDH),	-1	ATCTTATAAACTGTTACTTCCCCT TGCAATGAGGCAGTGGGGTAAGGTT
					mRNA /cds=(81,4082)		AAATCCTCTAACCGTCTTTGAATCA
5954	Table 3A	Hs 335815	AW444812	6986574	UI-H-BI3-ajy-d-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2733380 /clone end=3'	-1	TGGCAACTTCAACTCCTTGATGGCGA TAATCTCTGGTATGAATATGAGCC
5955	Table 3A	Hs.99665	AW444899	6986661	-	-1	TTGTGCTCCTGATACGACGTTGCCAC AGTTAATCCGTTCTGATCTCTGCT
5956	Table 3A	Hs.257283	AW450350	6991126	UI-H-BI3-akn-c-01-0-UI.s1 cDNA, 3'	-1	CAAGCCTAACTTTCCAACACTCCCGC
5957	Table 3A	Hs.313715	AW450835	6991611	end /clone=IMAGE:2734825 UI-H-BI3-alf-f-06-0-UI s1 cDNA, 3' end	-1	GACGCAACCCCTTCCCCTTTCCTC CACGGTTAGAGTCACCAAACCTGTAT
5958	Table 3A	Un 100014	AW450874		/clone=IMAGE:2736539 /clone_end=3'	-1	TTCAGGGGACATCTTTCCAGCTCC
3930	Table 3A	NS. 199014	AV450074	0991030	601499703F1 cDNA, 5' end /clone=IMAGE:3901440 /clone_end~5'	-1	CCAAAGGCTCACTACCCCTGTGCGTT GTCCAGCACACAGACACTATGTGC
5959	Table 3A	Hs 342873	AW451293	6992069	RC3-HT0230-130100-014-g06 cDNA	-1	TGCTTGGGAAATTTGGTTTGTAAACC TAAAATAGCCCTTATTTCTGGGGA
5960	Table 3A	Hs.101370	AW452023	6992799	AL583391 cDNA	-1	CATCTGCTGAGCAGTGTGCTGTCA
5961	Table 3A	He 342735	AW452096	6002053	/clone=CS0DL012YA12-(3-prime) UI-H-BI3-alo-d-02-0-UI.s1 cDNA, 3'	_1	ACCTCCTCCTAGGTCTCCTCTATG CTTTCTGCCTGAAGCTGCCCCCATGA
3301	Table 5A	113.042133	AV402090	0992933	end /clone=IMAGE:3068186	-,	CTCCCTTCTTTGTGCAAAAGCATG
5962	Table 3A	NA	AW452467	6993243	UI-H-BI3-als-e-09-0-UI.s1 NCI_CGAP_Sub5 cDNA clone	-1	GAAATGAGTTGGTGTCTTCACAGAAT GAGGATCCCCAGAGCCATCTTGCC
					IMAGE:3068632 3', mRNA sequence		5/155/110005/10/1005/11011005
5963	Table 3A	Hs.257579	AW452513	6993289	UI-H-BW1-ame-b-03-0-UI.s1 cDNA, 3' end /clone=IMAGE;3069628	-1	TGGTATCTATGACTCTGCCTTACC TGGTATCTATGACTCGACTGAAAT
5964	db mining	Hs.257581	AW452528	6993304	UI-H-BW1-ame-c-07-0-UI s1 cDNA, 3' end /clone=IMAGE:3069684	-1	TGCGAGAGGAAGCAGAGACCACCTT GAAACTCGGGTGCATTAAGTCCTTG
5965	db mining	Hs.257582	AW452545	6993321	UI-H-BW1-ame-d-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069742	-1	TTAGCCACTGCTATTCTAGGTTCCTT GATGGAGCCCCACTCCCACGCCTA
5966	db mining	Hs.257630	AW452932	6993708	UI-H-BW1-amd-c-07-0-UI.s1 cDNA, 3'	-1	ACCACCCAGAGGTTGCTGGCTTCCTT
5967	db mining	Hs 257632	AW452953	6993729	•	-1	AATAAAGCTAACTTTCCTTTCACC AGGGGAGCCAGTGGTTTTTGGTCAT
5968	db mining	Hs 257633	AW452960	6993736	end /clone=IMAGE:3069415 UI-H-BW1-amd-e-11-0-UI.s1 cDNA, 3'	-1	GGGAAGTGTTCTCATAAAATTCATT GCACCAGACTTCTGAACAGGCTGGG
5969	db mining	Hs 257636	AW452985	6993761	end /clone=IMAGE:3069429 UI-H-BW1-amd-g-12-0-UI.s1 cDNA, 3' end /clone=IMAGE.3069527	-1	AGAGTGAGGCATAAACACATGAAAT ACACAGTACTTTGTTGAGATGTTGGC TTCTTGGTTTATGGCATGAATTCT
5970	Table 3A	Hs 257640	AW453021	6993797	UI-H-BW1-ama-c-02-0-UI.s1 cDNA, 3'	-1	ACTTATCTTTTGCCACCCATGTTCCT
5971	db mining	Hs.257644	AW453034	6993810	end /clone=IMAGE:3069290 UI-H-BW1-ama-d-03-0-UI s1 cDNA, 3'	-1	GGATGCCTTGCCTTCCTCTTTCAT AAACAGGAAGCCTCTCATGAATTTGA
5972	db mining		AW453039		end /clone=IMAGE:3069340 UI-H-BW1-ama-d-08-0-UI s1 cDNA, 3'		CCAAGGAGCTACATTCGTTCTCTA TGAGGAAGAGGAGATTTATTAAGCCC
3312	ao naming	110 20/040	MANAGOOS.	0993013	end /clone=IMAGE:3069350	-1	CTTCTTTTAGGCTAGGAGGTTTCC

5973	Table 3A	Hs.257646	AW453044	6993820	UI-H-BW1-ama-e-01-0-UI s1 cDNA, 3'	-1	GGACACTGGCTTTTGTGCAGCTCTTC ATCACAGAGTCTGTTGAGCTACAA
5974	db mining	Hs.257647	AW453055	6993831	end /clone=IMAGE·3069384 UI-H-BW1-ama-e-12-0-UI.s1 cDNA, 3'	-1	ACAGTGATTTTCAACCAAGGGGCTTT
	Table 3A	Hs 257667	AW467193	7037299	end /clone=IMAGE:3069406 he07a04 x1 cDNA, 3' end	-1	TTCAAACTACATTCCTTAGCTCCC GGTGGTGGCTACAAGGGTGATTGCC
			AW467208	7037314	/clone=IMAGE:2918286 /clone_end=3' he07c09 x1 cDNA, 3' end	-1	TTATGATAATTGACCGTGTCATAAT AGCTGGGAGGCCATTACTTTTTGTCT
5976	db mining	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			/clone=IMAGE:2918320 /clone_end=3' he09b01.x1 cDNA, 3' end	-1	GAGTCTTCTGGAGTTCTAGCAAAA AGTTGCATTAAACTGAGCTTAGATGT
5977	db mining		AW467312		/clone=IMAGE:2918473 /clone_end=3'		GTAAGTTTGCTAACGGATGGGTTT CCTCTAAGGCATTTATTTACTGACAA
5978	db mining	Hs.257677	AW467338	7037444	he09e07.x1 cDNA, 3' end_ /clone=IMAGE:2918532 /clone_end=3'	-1	CATAAAATCTTGAACCCCAGGTCA
5979	db mining	Hs 257679	AW467385	7037491	he10d12.x1 cDNA, 3' end /clone=IMAGE:2918615 /clone_end=3'	-1	TCACCTCCATCAACTTACTAGCACAT AAAGGGTGGGATTTCATGTGTTGA
5980	Table 3A	Hs 257680	AW467400	7037506	he10f11.x1 cDNA, 3' end /clone=IMAGE:2918637 /clone_end=3'	-1	CTGGCAAAGGCATGGGTACAACCTG CTCTGTGATCTACCTTCTGAACCAC
5981	db mining	NA	AW467421	7037527	he17b02.x1 NCI_CGAP_CML1 cDNA clone IMAGE:2919243 3' similar to	-1	ACACCTGTGGTATATTTGTATCATTCA GTCTGGTTTCTCACCCTTCCTAA
5982	Table 3A	NA	AW467437	7037543	contains Alu repetitive element;con he17d05.x1 NCI_CGAP_CML1 cDNA	-1	AACCCTCGTAAGGTTTCATCTTCCTT GATTGCAAAATGAGTTTGTGTGAA
5983	db mining	NA	AW467445	7037551	clone IMAGE:2919273 3', mRNA he17e08.x1 NCI_CGAP_CML1 cDNA	-1	CCCGCTTCACCTTCCCTAAATAACTC
0000	32				clone IMAGE:2919302 3' similar to contains element MSR1 repetitive el		GTTTGCAGGCTAATTCCATCAAAT
5984	db mining	NA	AW467448	7037554	he17f02.x1 NCI_CGAP_CML1 cDNA clone IMAGE:2919291 3' similar to contains Alu repetitive element;con	-1	ATTTTGCTCATTACCTGTCAGGAGAA AACCCTCCTTCCCCAGTCTCCACT
5985	Table 3A	Hs.257687	AW467501	7037607	he19e06.x1 cDNA, 3' end	-1	ACCTACTGAATCTCCAGATTGCCAAG TGAAACACAATGGTTGCCTCTTCA
5986	db mining	Hs.257688	AW467571	7037677	/clone=iMAGE:2919490 /clone_end=3' he21f02.x1 cDNA, 3' end	-1	TGCGAAAGCTAATTCCCTAGTATGAA
5987	db mining	Hs.257690	AW467582	7037688	/clone=IMAGE:2919675 /clone_end=3' 602497524F1 cDNA, 5' end	-1	TAAACTTCAGACCTTGCTCTCCTT AGCCTGAGGTGGGTGAAGAAAATAC
			AW467607		/clone=IMAGE:4611316 /clone_end=5' he22c05.x1 cDNA, 3' end	-1	CTGCTTTATACTGTTCTGGAAACTC CTTTTCCCCTTCATGGTAGTTGCTGC
5988	db mining				/clone=IMAGE:2919752 /clone_end=3'	-1	TTAAGTTTCTCTAACATGCCTGCA TGAATGTGCAGATGCAGAACCCATTG
5989	Table 3A	Hs.257695	AW467746		he23d05.x1 cDNA, 3' end /clone=IMAGE:2919849 /clone_end=3'		ATATGGAGGGCTGAGTGTCTGAAA
5990	Table 3A	Hs.257705	AW467863	7037969	he27c04.x1 cDNA, 3' end /clone=IMAGE:2920230 /clone_end=3'	-1	TGTACTACTTATTTATGTGTAAACCAT ACACAGGGCTAGAAAGGAAGGGAT
5991	Table 3A	Hs.257706	AW467864	7037970	he27c05.x1 cDNA, 3' end /clone=IMAGE:2920232 /clone_end=3'	-1	TGTAGAATTGCGGAGTAGAAAGACCC TTGAAAGATCATTTGTCCTGTGGT
5992	Table 3A	Hs 257709	AW467992	7038098	he30b01.x1 cDNA, 3' end	-1	GCTCAAGTTCCCAGCACCTGGGGAA TTCTAAGCCTGAGGAAGACAAGGTG
5993	db mining	Hs.257713	AW468139	7038245	/clone=IMAGE:2920489 /clone_end=3' he32g11.x1 cDNA, 3' end	-1	TGTTTTTATGTCCTGAGCAAGCAAATT
5994	Table 3A	Hs.257716	6 AW468207	7038313	/clone=IMAGE:2920772 /clone_end=3' he34a12.x1 cDNA, 3' end	-1	GCTGCAATTAAAATCACCAATTT AGGCCTGATATTGAAAGCTTTTGATA
			AW468316	7038422	/clone=IMAGE:2920894 /clone_end=3' he36a05.x1 cDNA, 3' end	-1	CTGAGATCCTATTAATCTCAGATGA TGTTAGTTTGCTTTTGAAATTCTTTGG
5995					/clone=IMAGE:2921072 /clone_end=3'	-1	AGGGTACTCTTCAGGGCTTCACA TAGTGATTATCTCCAGGAATCAAGTA
5996	db mining) AW468430		he37h10.x1 cDNA, 3' end /clone=IMAGE:2921251 /clone_end=3'		CAAACTTTGAAAAAAGACTGGAGGT TTTGTCCCAAGGGCTCAGACTGAAAG
5997	Table 3A	Hs.257727	7 AW468431	7038537	7 he37h11 x1 cDNA, 3' end /clone=IMAGE:2921253 /clone_end=3'	-1	AATGCAATGTGAGAGGTATGCCAC
5998	db mining	Hs.330268	3 AW468459	703856	5 he38d05.x1 cDNA, 3' end /clone=IMAGE:2921289 /clone_end=3'	-1	TCTGTGAAAATCTTTCTGCAAATGTCT TTGCTTGCTTGTACTCACGTTTT
5999	db mining	Hs.257738	3 AW468559	703866	he41a07.x1 cDNA, 3' end /clone=IMAGE:2921556 /clone_end=3'	-1	TGTCTTTAACGCACAGATGTTACTTC AGCACCACAAGGACTGTTGATGGA
6000	Table 3A	Hs 25774	3 AW468621	703872	7 he42e03 x1 cDNA, 3' end /clone=IMAGE:2921692 /clone_end=3'	-1	CAGTCAGATGTTGGAATTGGGGGTA GAGGGATTATAGAGTTGTGTGTG
6001	Table 3A	Hs.122116	6 AW469546	703965	2 hd19e09.x1 cDNA, 3' end	-1	AAAGGAGGGACTATGGCATCAAACA GCCTCTTCAGCACAGTGACACCATG
6002	? Table 3A	Hs 80618	AW510795	714887	/clone=IMAGE:2909992 /clone_end=3' 3 hypothetical protein (FLJ20015),	-1	ACCCAGTTTGTGCATAGTTCATGATC
6003	3 Table 3A	Hs.19366	9 AW512498	715057	mRNA /cds=(31,522) 6 hypothetical protein DKFZp586J1119	-1	CTCTATAAAACCAGCTTTTGTGGA CTGTCGGGCTCTGAAGCGAGCTGGT
6004		Hs 42915	AW572538	723727	(DKFZp586J1119), mRNA 1 ARP2 (actin-related protein 2, yeast)	-1	TTAGTTGTAGAAGATGCTCTGTTTG TGGAATGGACTCTTAAAACAATGAAA
	*	Hs.34285		723766	homolog (ACTR2), mRNA	-1	GAGCATTTATCGTTTGTCCCTTGA TCACTACCTTCAATTGTTTACAAGGT
6005					/clone=IMAGE:2932165 /clone_end=3'	-1	GGATATGGGCAGGCAACAGATACT CTAGGCCGGATGGGCCAGAGAAGGA
6006	3 Table 3A	Hs.32599	1 AW573211	723794	4 602679187F1 cDNA, 5' end /clone=IMAGE 4812093 /clone_end=5'	-,	GAACCATGGCAGGAGCCGGAAGCAG
6007	db mining	Hs 25893	3 AW589231	727633	7 he27g09.x1 cDNA, 3' end /clone=IMAGE:2920288 /clone_end=3'	-1	AAATGTTGAGCAACTGTTCAATAACA GCACTAATTGTGTGTTCATTGGCT
6008	3 Table 3A	Hs.30492	5 AW592876	728006	8 hg04d05.x1 cDNA, 3' end	-1	
					/clone=IMAGE:2944617 /clone_end=3'		3A333, 3, 13, 17, 1, 3, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,

6009	Table 3A	Hs 298654	AW614181		hg77d03 x1 cDNA, 3' end	-1	GGAGCGGAATACAGTAAAAGCACTG GACTGACCTAAGAGTTTGTTTCTGC
0040	Table 24	Hs 259842	Δ\M614193		/cione=IMAGE:2951621 /cione_end=3' cDNA FLJ11025 fis, cione	-1	ACACCATTTCAGCGTTGGATCACAGA
6010	Table 3A	NS 209042	AVV014133		PLACE1003968, moderately similar to		CAGCTCTTCCTTTATATCCCAGCA
					5'-AMP-ACTIVATED PROTEIN KINASE, GAMMA-1 SUBUNIT		
6011	Table 3A	Hs 342967	AW629176		602619939F1 cDNA, 5' end	-1	CCACCTTGCTGCCTTTTGAAACACTC
0011	Table on				/clone=IMAGE:4745649 /clone_end=5'		AGGAAATATAGTTGGCTAAAACTG CACTTCGCAACGGAGTGTTTGAAATT
6012	Table 3A	Hs 140720	AW629485		FRAT2 mRNA, complete cds /cds=(129,830)	-1	GTGGTGGTCCTGATTTATAGGATT
6013	db mining	Hs 175437	AW771958	7704007	hn66h09.x1 cDNA, 3' end	-1	GCTTTGGCAGATGGATTAACCTTGTT
			**********	7702457	/clone=IMAGE:3032897 /clone_end=3' glutamate-cysteine ligase, catalytic	-1	CTTTTGGAGCCAGATCAATATCTA AGAATGCCTGGTTTTCGTTTGCAATT
6014	Table 3A	Hs.151393	AVV778854	7793457	subunit (GCLC), mRNA /cds=(92,2005)	•	TGCTTGTGTAAATCAGGTTGTAAA
6015	Table 3A	Hs.109441	AW780057	7794660	cDNA FLJ14235 fis, clone	-1	TTCTGAACATTTTAGTCAAGCTACAAC AGGTTTGGAAAACCTCTGTGGGG
6016	Table 2A	Hs.343475	AW873028	8007081	NT2RP4000167 /cds=(82,2172) 601556208T1 cDNA, 3' end	-1	TGCAAGTGGATGGTTTGGTATCACTG
6016	Table 3A	113.040470	AVIO10020		/clone=IMAGE:3826392 /clone_end=3'		TAAATAAAAAGAGGGCCTGGGAAA GTGGCTTTTCTGTTGACGCCAAAGGT
6017	Table 3A	Hs.166338	AW873324	8007377	hl92a07.x1 cDNA, 3' end /clone=IMAGE:3009396 /clone_end=3'	-1	TACTCCCTCTGCCTCACCATAAAA
6018	Table 3A	Hs.90960	AW873326	8007379	602563938F1 cDNA, 5' end	-1	ACCTCCTACGTCTGTTTTCTGGCTGT
				0004447	/clone=IMAGE:4688769 /clone_end=5'	-1	GGTGACTTGGGATTTTTAACCTTA ATCGTTGGATTATCTTTGAACCCCCT
6019	Table 3A	Hs 120243	BE044364	8361417	gamma-parvin (PARVG), mRNA /cds=(0,995)	-,	TGTGTGGATCATTTTGAGCCGCCT
6020	db mining	Hs.157489	BE047166	8364219	602462536F1 cDNA, 5' end	-1	AGCTCCAAAGTGGTTTGATGACCACA GGCTAAAATTCATAGTCTTAAAAT
0004	Table 24	Hs.82316	BE049439	8366494	/clone=IMAGE:4575393 /clone_end=5' interferon-induced, hepatitis C-	-1	TCAGAAAGGAGAAAACACAGACCAAA
6021	Table 3A	П8.02310	DE043433	0000404	associated microtubular aggregate		GAGAAGTATCTAAGACCAAAGGGA
		11: 404507	DE047049	9005166	protein (44kD) (MTAP44), mRNA 602637362F1 cDNA, 5' end	-1	GCATCACGATTTGTCTACATAAGTCC
6022	Table 3A	Hs.121587	BE217848	8903100	/clone=IMAGE:4765191 /clone_end=5'	·	AGTTCATCTCGCGTTTGTTTTGGC
6023	Table 3A	Hs.5734	BE218938	8906256	meningioma expressed antigen 5	-1	ATACAGGGTTCCATCCAGAAAGCATT CAGTCAGAGCAAGTTAAAGTCAGT
					(hyaluronidase) (MGEA5), mRNA /cds=(395,3145)		
6024	Table 3A	Hs 203772	BE220869	8908187	FSHD region gene 1 (FRG1), mRNA	-1	AAGTGCCAGATTTTGATAATCACCAG
	T-11-04	Un 72024	BE220959	8908277	/cds=(191,967) major histocompatibility complex, class	-1	CCTCTCATTCAACTCCTATGTTGC ACCCTTGGTCACTGGTGTTTCAAACA
6025	Table 3A	Hs.73931	DE220909	0900217	II, DQ beta 1 (HLA-DQB1), mRNA		TTCTGGCAAGTCACATCAATCAAG
			DECCCOO	0000074	/cds=(57,842)	-1	AGCTCTGGAGCCTTTGCTTCCTCAAA
6026	Table 3A	Hs.128675	BE222032	8909271	hr61g11.x1 cDNA, 3' end /clone=IMAGE:3133028 /clone_end=3'		TACGAGCGGGAACTGCGTTGAGCG
6027	Table 3A	Hs.167988	BE222301	8909619	neural cell adhesion molecule 1	-1	AAGTTGTCCTGTGCTAAAGCAAGCGT GGGATGATCCTACCTACCTCTAGG
6028	Table 3A	Hs.79914	BE222392	8909710	(NCAM1), mRNA /cds=(201,2747) lumican (LUM), mRNA /cds=(84,1100)	-1	ATTTGGACAGATGCAGAAGGAACTGT
0020	Table on	113.70014	DELLECT				TAGTGAGTCAAGACAAACACATCT CCCCTACCCCTGGAAAGTAATATACT
6029	Table 3A	Hs 99237	BE326857	9200633	hr65h06.x1 cDNA, 3' end /clone=IMAGE:3133403 /clone_end=3'	-1	GAAGTCTCATCATACTGTTTTGGG
6030	Table 3A	Hs.83623	BE328818	9202594	nuclear receptor subfamily 1, group I,	-1	TGTTTCGTAAATTAAATAGGTCTGGC
		67774	DE040000	0260662	member 3 (NR1I3), mRNA 602386841F1 cDNA, 5' end	-1	CCAGAAGACCCACTCAATTGCCTT AGCTAGTGATGTTTTGTCCAAAGGAA
6031	Table 3A	Hs.27774	BE348809		/clone=IMAGE:4515730 /clone_end=5'	•	GATTCTGACAACAGCTTCAGCAGA
6032	Table 3A	NA	BE348955	9260808	hs91h01.x1 NCI_CGAP_Kid13 cDNA clone IMAGE:3144625 3', mRNA	-1	ACACAGACATATTGACCGCACACACACACACACACACACA
6033	Table 3A	Hs 56156	BE349148	9261087	601463367F1 cDNA, 5' end	-1	TGGTTCTCTGATTTGTAATGAGCACC
0000	Table or				/clone=IMAGE:3866512 /clone_end=5'		TGGATATGTCAATTAAAATGCCCA GGTCCATGTCACCGTGAGTACACCC
6034	Table 3A	Hs.315050	BE351010	9262791	ht22g04.x1 cDNA, 3' end /clone=IMAGE ⁻ 3147510 /clone_end=3'	-1	CTATGATTGGTTTGTTCAAGAAG
6035	Table 3A	Hs 5027	BE379724	9325089	601159415T1 cDNA, 3' end	-1	TGCTAGTTCAGGTCCTCCAGGCATTG ATTTGTACAGTTAAACTCCGAGTG
	T-51- 04	11- 00407	DE464220	051001/	/clone=IMAGE:3511107 /clone_end=3' 602411368F1 cDNA, 5' end	-1	ACAAGCATTTAGATCATAACATGGTA
6036	Table 3A	Hs 86437	BE464239		/clone=IMAGE:4540096 /clone_end=5'		AAGCCTATTACCAGCCAATGTTGT
6037	Table 3A	Hs.127428	BE466500	9512198	Homo sapiens, Similar to homeo box A9, clone MGC:19648 IMAGE:2987818,	-1	GGCCTACTGACCAAATTGTTGTGTTG AGATGATATTTAACTTTTTGCCAA
					mRNA, complete cds /cds=(62,880)		
6038	3 Table 3A	Hs.21812	BE467470	9513245	5 AL562895 cDNA	-1	AAGTTTGTGCAGCACATTCCTGAGTG TACGATATTGACCTGTAGCCCAGC
ജവാദ	Table 3A	Hs 12257	5 BE502246	9704654	/clone=CS0DC021YO20-(3-prime) 4 endothelial differentiation,	-1	CGATAGAATTGAAGCAGTCCACGGG
6039	I AUIC SM	110 122373	, DE002240	5, 5-100-	lysophosphatidic acid G-protein-coupled		GAGGGATGATACAAGGAGTAAACC
00.11	Table 24	Un 07050	9 RE502010	970532	receptor, 4 (EDG4), mRNA hz81b08.x1 cDNA, 3' end	-1	ATAGACTCCAAAGAGGCGTTAAGCAC
6040	Table 3A	Hs 279522	2 BE502919	91 UJJZ	/clone=IMAGE:3214359 /clone_end=3'		CTGGTTTTCCTTTGGCTCAGAAAA
6041	Table 3A	Hs.197766	6 BE502992	970540	clone 23932 mRNA sequence /cds=UNKNOWN	-1	CTCAAACGAAATTGGGCAGGCCATTT GCGTGGTTTCTCTGGATAAGTTCC
6042	2 Table 3A	Hs.61426	BE550944	979263	602329933F1 cDNA, 5' end	-1	GCACATGACAGTAAGCGAGGTTTTGG
3011					/clone=IMAGE:4431248 /clone_end=5'		GTAAATATAGATGAGGATGCCTAT

					lable o		
6043	Table 3A	Hs 201792	BE551203		7b55h12 x1 cDNA, 3' end /clone=IMAGE:3232199 /clone_end=3'	-1	TCCCAGAGTAACTGACAGTATCAAAT AGCAAGAGAGTTAGGATGAGGACT
6044	Table 3A	Hs.122655	BE551867	9793559	hypothetical protein MGC14425	-1	ACACAGGAACCGCTTACCCACCAGCT CTGCCCGCGTCTCTACCGCCATAG
6045	Table 3A	Hs.282091	BE552131	9793823	(MGC14425), mRNA /cds=(318,686) hw29b05.x1 cDNA, 3' end	-1	TTCTTCCAAGAGAATAACCCTATTAAA GGCTAAAAATGGAAGCTCCCAGT
6046	Table 3A	Hs 146381	BE613237		/clone=IMAGE·3184305 /clone_end=3' RNA binding motif protein, X	-1	ACTGACCTAGCAGATGTGTGGAAAAG GAATCAGATCTTGATTCTTCTGGG
6047	Table 3A	Hs.4310	BE614297	9895894	chromosome (RBMX), mRNA eukaryotic translation initiation factor	-1	ACAACTCAAGTGAAAAGATGTCTCCA
6048	Table 3A	Hs.198802	BE621611	9892551	1A (EIF1A), mRNA /cds=(207,641) 601493754T1 cDNA, 3' end	-1	GTTTCTGAAGATAACGCACGCTGA CGCCGACTCGTTGAAAGTTTTGTTGT
6049	Table 3A	Hs.324481	BE646433	9970744	/clone=IMAGE:3895836 /clone_end=3' EST380617 cDNA	-1	GTAGTTGGTTTTCGTTGAGTTCTT CACCCACCTGGTAGGAAGGTCAATCT
6050	db mining	Hs 283165	BE646441	9970752	7e86h06 x1 cDNA, 3' end	-1	TATGCTCAGAAGTCCCACCACCA CAACTCCTTAAAGGGTTGAAGGTTGT
6051	Table 3A	Hs.341573	BE646470	9970781	/clone=IMAGE:3292091 /clone_end=3' tc38c11 x1 cDNA, 3' end	-1	GACAATAACTGAGGGAACTGATGT AAAACACTCCACCTAAAAGCAGGAAA
6052	db mining		BE646492		/clone=IMAGE:2066900 /clone_end=3' 7e87g01.x1 cDNA, 3' end	-1	GATGGCAATTCTAAATAGCAGCTA GGAGGTTTTGATCGTGACTTTATTTT
	_	Hs.187872			/clone=IMAGE:3292176 /clone_end=3' 7e87h02 x1 cDNA, 3' end	-1	GAGATATTGTATCTTTGTTAGTATTGC TTGTAAGGTTCCGGGGAACTGACTCA
6053	Table 3A		BE646510		/clone=IMAGE:3292179 /clone_end=3' 7e88b08.x1 cDNA, 3' end	-1	ACATGGTTCTCCAACTCGAGGTTG TGTGAGTGTTATAGGTTACAGTGGAT
6054	db mining	Hs.283167			/clone=IMAGE:3292215 /clone_end=3' 7e89c01.x1 cDNA, 3' end	-1	TCCAAACTAGCCACAAGTGAAGCA TCAGCCAGGAGGAAAAGCACTCTGAT
6055	db mining	Hs.283168			/clone=IMAGE:3292320 /clone_end=3'	-1	TATGAATTGAGCAGAAGGAAACAA GTTCCCACTCGTTCTTGCCGGAGAAA
6056	db mining	Hs.283169	BE646617		7e91b07.x1 cDNA, 3' end /clone=IMAGE:3292501 /clone_end=3'	-1 -1	CCTGCCTTTTCAAGCATAATTCAA GGGTCCAAGATTATTGATTAATTTGG
6057	db mining	Hs.225200	BE646640		7e91f08.x1 cDNA, 3' end /clone=IMAGE:3292551 /clone_end=3'		GCACCGCGAGAGCTCGAGTCCCCC GACCACCTGTAAAGCAAGTCCTTTCA
6058	Table 3A	Hs.129192	BE670584		7e36h08.x1 cDNA, 3' end /clone=IMAGE:3284607 /clone_end=3'	-1	AGTTTCACTGCACATCCCAAACCA TGGTCCACTGTCACTGTTTCTCTGCT
6059	Table 3A	Hs.75703	BE670804	10031345	small inducible cytokine A4 (homologous to mouse Mip-1b)	-1	GTTGCAAATACATGGATAACACAT
6060	Table 3A	Hs.195374	BE671815	10032445	(SCYA4), mRNA /cds=(108,386) 7a47c12.x1 cDNA, 3' end /clone=IMAGE:3221878 /clone_end=3'	-1	AGACTCTGGAAAAGGAGGGTCGGAG TATTAAACTGGCTGGGAATGAGAGG
6061	Table 3A	NA	BE672733	10033274	7b75g07.x1 NCI_CGAP_Lu24 cDNA clone IMAGE:3234108 3' similar to	-1	TGAGAGCACACCATAAATTCACAGCA GGAATAAACGAAGACACACGAGCA
6062	Table 3A	Hs.77542	BE673364	10033905	TR:099231 O99231 CYTOCHROME 602629438F1 cDNA, 5' end /clone=IMAGE:4754432 /clone_end=5'	-1	ACATTCTCTCATTTTGCTGAAGCTGAT TTGATTGGGTGTCTGTTTCTCGC
6063	Table 3A	Hs.66357	BE673759	10034300		-1	TGAGAAGGTAAAGTAGAAAGGGAAG ATGATGAGTGAACAATAAGCCTTGT
6064	db mining	Hs.283248	BE674662	10035284	7e93g03 x1 cDNA, 3' end	-1	ACATTATTCCATGGGAATAAGTCATC AGTGCAAAGGACTGTAAGGAGTGC
6065	Table 3A	Hs.88845	BE674685	10035307	/clone=IMAGE:3292756 /clone_end=3' AV733781 cDNA, 5' end	-1	CGCCGCTCCTGGAGACCTGATAACTT AGGCTTGAAATAATTGACTTGTCT
6066	Table 3A	Hs.171120	BE674709	10035331	/clone=cdAASF08 /clone_end=5' 7e94f05.x1 cDNA, 3' end	-1	TGTATGTGCAATATGCTTATGGGTAA TTATGGGCAAGAGAAAATGGAAACA
6067	db mining	Hs.283249	BE674713	10035335	/clone=IMAGE.3292833 /clone_end=3' 7e94g02.x1 cDNA, 3' end	-1	ACCCCTTGGTAAAGCAGTTGTAAGAA TTAAACAAGAGGAATTGCTCTTTC
6068	Table 3A	Hs.167208	BE674762	10035230	/clone=IMAGE:3292850 /clone_end=3' 7e98d05.x1 cDNA, 3' end	-1	AAATCAGGCCCCTTGCGCCATTCACA AAAATCCTTGTGAGATGACTCAAG
6069	db mining	Hs.283247	BE674807	10035275	/clone=IMAGE:3293193 /clone_end=3' 5 7e93d11.x1 cDNA, 3' end	-1	AGGGCAGAGGTCCTTTGGGAGGGTA AGCTCACAAAAACTCAGGGAGGCAG
6070	Table 3A	Hs.174010	BE674902	10035443	/clone=IMAGE.3292725 /clone_end=3' 3 7e97a04.x1 cDNA, 3' end	-1	TCATCTCCGCCAAGGTTCCCACTAGG CAGGAAAGGATTTTTATCTAAAGT
6071	Table 3A	Hs.174144	BE674951	10035492	/clone=IMAGE:3293070 /clone_end=3' 2 7e97g10 x1 cDNA, 3' end	-1	CCACCCAAGTCGGAATCCGAGTGAA ATAAATAGCATCGCCCGCCAACTAC
6072	Table 3A	Hs.190065	BE674964	10035505	/clone=IMAGE:3293154 /clone_end=3' 5 7f11b09 x1 cDNA, 3' end	-1	AGGCACACGATTGTCACCATTTCTCC CTTTACAAGCTGTATAATCAGTAA
6073	Table 3A	Hs 211828	BE675092	10035633	/clone=IMAGE:3294329 /clone_end=3' 3 7f02d07.x1 cDNA, 3' end	-1	GCAACGTCTGAATGTAGTAATGTGAC TCAGAGCTTCAAAGTAAGCATTCG
6074	db mining	Hs.330706	BE675125	1003566	/clone=IMAGE:3293485 /clone_end=3' 3 IL3-UT0114-301100-357-H02 cDNA	-1	GCCACCCATCTGGGAGGCCCAGCA TCCAATTCAGTCGCCTTCAATGATT
6075	db mining	Hs.283251	1 BE675180	1003572	1 7f03h06.x1 cDNA, 3' end /clone=IMAGE:3293627 /clone_end=3'	-1	TGATAGACTGGATGCTGCTATGGTAA TCTGCCTCAGGAAAATGCCGGACT
6076	6 db mining	Hs.33928	1 BE675338	1003587		-1	TGGAGCCAAGAAGCCACTGACTCAA GAGGATTTCAAGCGAGAGCTGCTTG
6077	7 db mining	Hs.28325	3 BE675379	1003592	0 7f08b02.x1 cDNA, 3' end /clone=IMAGE:3294027 /clone_end=3'	-1	CAACTTTTGTAACAGGGGACTTAGCC GGGGGCAGGAGGGGTTCTTGAGAC
6078	db mining	Hs.28325	4 BE675403	1003594	/cione=iMAGE:3294027 /cione_erid=3 4 7f08d10 x1 cDNA, 3' end /cione=iMAGE:3294067 /cione_end=3'	-1	·
					ACIONE-MANAGE.3284007 ACIONE_ENG-3		

					Table 0		
6079	db mining	Hs.283255	BE675434		7f09a10 x1 cDNA, 3' end	-1	TAAAAACTGACATGACATGAGATGGT
00.0					/clone=IMAGE:3294138 /clone_end=3'	-1	TTAAGTGTCAAACATAAGGGTCTTT ACTGACATAAGCCCACTTCAGGTGTT
6080	db mining	Hs.283256	BE675531		7f10h08.x1 cDNA, 3' end /clone=IMAGE:3294303 /clone_end=3'		TGGAAGACACTAAAGAGAATCAGA
6081	db mining	Hs 315345	BE675610	10036151	7f12g09.x1 cDNA, 3' end /clone=IMAGE.3294496 /clone_end=3'	-1	GCAGCTTTTTGCTGGCGGGGGTCTA AATAAAGTAGCTTCCCCAAAAGAAA
6082	db mining	Hs 180637	BE675718	10036259	7f14h04 x1 cDNA, 3' end /clone=IMAGE:3294679 /clone_end=3'	-1	ACCTGGTTATCTCGCAATGACCTAGC TAACACAAATGCAACATCAGCCGG
6083	db mining	Hs 283258	BE675792	10036333	7f16b02 x1 cDNA, 3' end /clone=IMAGE 3294795 /clone_end=3'	-1	TGATCAAAATGAAGATGCTCCAACCG TATAAATGGCAGATGAAATAGACT
6084	db mining	Hs.283259	BE675819	10036360	7f17d10.x1 cDNA, 3' end /clone=IMAGE:3294931 /clone_end=3'	-1	GCAGGAGAGAAATACCTTCTAATGGG TGTGGACACTGGAGGAACTGTTAC
6085	db mining	Hs.283261	BE675957		7f19b06.x1 cDNA, 3' end /clone=IMAGE:3295091 /clone_end=3'	-1	AGGGCACTGTTTGTTCCTTTAATATG GAGAAATATCGCAAATAACTGGGA
6086	db mining	NA	BE676019	10036560	7f20c12.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:3295222 3' similar to	-1	TTGGCCTATGTTAATTTCTATTCTCAG TTCTTCTGTGCCCTTCCTCCTCT
6087	Table 3A	Hs.170584	BE676049	10036590	contains Alu repetitive element;, m 7f21a03.x1 cDNA, 3' end /clone=IMAGE:3295276 /clone_end=3'	-1	GAACGTAAGCCCGACGCTAGGCAGT GCTGTTAGAAAGTGATTTGGAAGAG
6088	Table 3A	Hs.181015	BE676054	10036595	signal transducer and activator of transcription 6, interleukin-4 induced	-1	ATCCCATTCTCCCTCTCAAGGCAGGG GTCATAGATCCTAAGCCATAAAAT
			DE070454	10036695	(STAT6), mRNA /cds=(165,2708) 7f24a12.x1 cDNA, 3' end	-1	TGCTGTAAAATGGCAGCTCCATAGGA
6089	db mining	Hs.283263	BE676154	10030093	/clone=IMAGE:3295582 /clone_end=3'	•	ACCTATTTTCCATAGGAACCTGCA
6090	db mining	Hs.283264	BE676173	10036714	7f24c12.x1 cDNA, 3' end /clone=IMAGE:3295606 /clone_end=3'	-1	ACTGGAGAAAGGTGTCTTCCTGTCCT TTCAGGGGCTCCTGCGGGGAATTC
6091	Table 3A	Hs.134648	BE676210	10036751		-1	ATTATATTTGTCCCTATCAGAATCCTC
0031	140/0 0/1				/clone=IMAGE:3295688 /clone_end=3'	-1	GAATCCCTAGCAGCCAGTCCCTG TGCTCACTGTCTTCTGGAAGAGACAA
6092	db mining	Hs.283266	BE676275	10036816	7f26d04.x1 cDNA, 3' end /clone=IMAGE:3295783 /clone_end=3'	-,	GCACTTTCTTGAAATTCCTAAGCA
6093	Table 3A	Hs.158714	BE676408	10036949	17f29b11.x1 cDNA, 3' end	-1	CAATCGGATCATTCTTCTCAACTTGG GCGGCTCTTTCCTCCCTTCCTTCC
2224	Table 04	Hs.220929	BE676472	10037003	/clone=iMAGE:3296061 /clone_end=3' cDNA FLJ14369 fis, clone	-1	TGCTTTGGGCAGTAGCTGAAGCCGA
6094	Table 3A	HS.220929	BL0/04/2	10001000	HEMBA1001174, highly similar to ADP- RIBOSYLATION FACTOR-LIKE		AGTATGAACAGTCCATTTTGTTTCT
					PROTEIN 5 /cds=(207,746)	-1	CACAGTTGAGTAGGAGGTCATGAAGA
6095	db mining	Hs.283268	BE676474	10037005	7f30c08.x1 cDNA, 3' end /clone=IMAGE:3296174 /clone_end=3'	-,	AGAAGAGATGATACCTGCCTTACC
6096	db mining	Hs.283269	BE676528	10037069	7f31d12.x1 cDNA, 3' end	-1	TTTGTGTAGCAAATGTTCATTAATTGC CTACTTTGTGCCAAATTCAGGCC
2007	Table 2A	Hs.123254	BE676541	10037082	/clone=IMAGE:3296279 /clone_end=3' AL572805 cDNA	-1	TCCAGCATTGTATTGTCTATTGACAC
6097	Table 3A	П\$.123234	BE070341	10007002	/clone=CS0DI034YH06-(3-prime)		ACAAAGTTTGAAAATAAAGGGGCA
6098	db mining	Hs.283505	BE676548	10037089	wh79f01.x1 cDNA, 3' end /clone=IMAGE:2386969 /clone_end=3'	-1	CACCCACCAGACCGAGGATTCCAAAA GGGGGCGAAGGCGGAGAGCAAAGG
6099	db mining	Hs.283270	BE676613	10037154	7f33a08.x1 cDNA, 3' end /clone=IMAGE:3296438 /clone_end=3'	-1	TGGACTCTGTTTTCAAGAGGAAGAAA CAACTGACAAATAAGTTGATGTCA
6100	db mining	Hs.283271	BE676614	10037155	7f33a10.x1 cDNA, 3' end /clone=IMAGE:3296442 /clone_end=3'	-1	ATGTTGAAACTGGTTTTAACTTGTAAT GGTGTGGCTGATGTTACCCGACC
6101	db mining	Hs.283272	BE676667	10037208	7f34a07.x1 cDNA, 3' end /clone=IMAGE:3296532 /clone_end=3'	-1	ACACAGATTTGAAGTCTACTGTTCTA AATGGCCTCTACTTCCTGCTGTCA
6102	db mining	Hs.102165	BE676737	10037278	3 7f37g03.x1 cDNA, 3' end /clone=IMAGE:3296884 /clone_end=3'	-1	GGAACTTCTGCTTCCACTTACGATGA AGGAACTTGTACTCAATCCATCCA
6103	db mining	Hs.283276	BE676772	10037313	3 7f35d05.x1 cDNA, 3' end	-1	GAAGCCTTCCTGTGGTCATAACAAGT CTCACACACCCCAAGGACTGATCT
6104	db mining	Hs.86761	BE738569	10152561	/clone=IMAGE:3296649 /clone_end=3' 601572850F1 cDNA, 5' end	-1	GAGTCCAGCCTTTGAACCTGGCGCT GAATCCTGACTTTACTGCTTATTCA
6105	Table 3A	Hs.293842	BE748663	1016265	/clone=IMAGE:3839581 /clone_end=5' 601571679F1 cDNA, 5' end /clone=IMAGE:3838675 /clone_end=5'	-1	AAACTCATACATGCAGAAAATTGTCTT TGCTCGAAATGGTAATGCCAAAA
6106	Table 3A	Hs 293842	BE748663	1016265	601571679F1 cDNA, 5' end /clone=IMAGE:3838675 /clone_end=5'	-1	AAACTCATACATGCAGAAAATTGTCTT TGCTCGAAATGGTAATGCCAAAA
6107	Table 3A	Hs.270293	BE857296	1037118	7g27b01.x1 cDNA, 3' end /clone=IMAGE:3307657 /clone_end=3'	-1	ACAAAAGTCATGGCTGTGAGGCTATC ATTACCCTTTTACCAAAGTTGGAA
6108	3 Table 3A	Hs.155935	5 BE858152	1037306	complement component 3a receptor 1 (C3AR1), mRNA /cds=(0,1448)	-1	AGTTCTATTTCTATCCCAAACTAAGCT ATGTGAAATAAGAGAAGCTACTTTGT
6109	Table 3A	Hs.294348	8 BE961923	1176429	9 601655335R1 cDNA, 3' end /clone=IMAGE:3845768 /clone_end=3'	-1	ATCCCGATGGTGCCCACCGCTATTAA AGGTTCGTTTGTTCCACGATTAAA
6110	Table 3A	Hs.5181	BE962588	1176563	6 proliferation-associated 2G4, 38kD (PA2G4), mRNA /cds=(97,1281)	-1	ATGTCTCCATACCCATTACAATCTCC AGCATTCCCCCTCAAACCTAAAAA
611	1 Tàble 3A	Hs 31494	1 BE962883	1176623	8 602381893F1 cDNA, 5' end /clone=IMAGE.4499447 /clone_end=5'	-1	GCCCGTATTTACCCTATAGCACCCCC TCTACCCCCTTTAGAGCCCAAAAA
611	2 Table 3A	Hs.30111	0 BE963194	1176661	2 601656811R1 cDNA, 3' end /clone=IMAGE:3865731 /clone_end=3'	-1	ACATTTTCCTCCGCATAAGCCTGCGT CAGATTAAAACACTGAACTGA
611	3 Table 3A	Hs.33088	7 BE963374	1176679	2 601657137R1 cDNA, 3' end /clone=IMAGE:3866193 /clone_end=3'	-1	CCAAGCTGGTTTCAAGCCAACCCCAT GGCCTCCATGACTTTTTCCAAAAC

6114	Table 3A	Hs 334926	BE963551		Homo sapiens, clone MGC:8857 IMAGE:3866266, mRNA, complete cds	-1	TGATCAGGTGAACCGGAAGTCTCCAA TTTCTGAATGGATTATGTTTCTAA
6115	Table 3A	Hs 316047	BE963666	11767085	/cds=(62,133) 601656685R1 cDNA, 3' end /cione=IMAGE 3865820 /clone_end=3'	-1	TGAGTACGTGACACTTGTTGTAGAAT AGTGGTGTTGAGCTATATTCTTGT
6116	Table 3A	Hs 294578	BE963811	11767228	601657462R1 cDNA, 3' end /clone=IMAGE.3875846 /clone_end=3'	-1	GTGACCCTTGGCACCCGCTAGAAGTT TATGGCCGAGCTTTACCAATTAAA
6117	Table 3A	Hs.302585	BE964028		601657601R1 cDNA, 3' end /clone=IMAGE:3875617 /clone_end=3'	-1	TGAACTCCAACTTTGACCAACCCATG AGACCCCTGTTATCCAAACTTTCT
6118	db mining	Hs 210628	BE964051	11767519	601472729T1 cDNA, 3' end /clone=IMAGE:3875791 /clone_end=3'	-1	CCCTCTACTATTTGGCTCCATAACTTA GGACCTGCCTTTCCCGGTTCCAG
6119	Table 3A	Hs 330588	BE964134		601151626F1 cDNA, 5' end /clone=IMAGE:3507774 /clone_end=5'	-1	CCCGTATTTACCCTATAGCACCCCCT CTACCCCCTTTAGAGCCCCAAAAA
6120	Table 3A	Hs 252259	BE964149		ribosomal protein S3 (RPS3), mRNA /cds=(22,753)	-1	CCAACTTTCAGAACAGAAGGGTGGG AAACCAGAACCGCCTGCCATGCCCC GCGCCAGAAATCCAATCC
6121	Table 3A	Hs 184052			PP1201 protein (PP1201), mRNA /cds=(75,1010)	-1	GGATATAGTTAGGATTAATTACTTA CTGAGATTTTGGGTTTTCCACACGGG
6122	Table 3A	Hs.286754	BE965319		601659229R1 cDNA, 3' end /clone=IMAGE:3895783 /clone_end=3'	-1 -1	CCAAGATACCCGGCCTCTGCTGAG ATATCATTTCCACTTAGTATTATACCC
6123	Table 3A	Hs.297190	BE965554		601659486R1 cDNA, 3' end /clone=IMAGE:3896204 /clone_end=3' damage-specific DNA binding protein 1	-1 -1	ACACCACCCAAGAACAGGGTTT ACAGCATGAGAAACTGTTAGTACGCA
6124	Table 3A	Hs.108327	BF001438		(127kD) (DDB1), mRNA 7g93g02.x1 cDNA, 3' end	-1	TACCTCAGTTCAAACCTTTAGGGA GCTTGCCCTAGCAGAGTCATACGGAA
6125	Table 3A	Hs.161075	BF001821		/clone=IMAGE:3314066 /clone_end=3'		TAATGGAAAACTCAACTTCTGTTC
6126	Table 3A	NA	BF056055	10809951	7k07h12.x1 NCI_CGAP_GC6 cDNA clone IMAGE:3443950 3' similar to contains element L1 repetitive eleme	-1	CACAATGCTGCCTCCTCTGTGGATGA CTGATGGCAAGAGTCTGAATTGAA
6127	Table 3A	Hs.221695	BF058398	10812294	7k30d01.x1 cDNA, 3' end /clone=IMAGE:3476785 /clone_end=3'	-1	CCTCTCACTCTCAGACTCCAAGGGCC AAGAAAAACTACGGACAGGAAGCC
6128	db mining	Hs.255664	BF058429	10812325	7k30g11.x1 cDNA, 3' end /clone=IMAGE.3476949 /clone_end=3'	-1	GAGAGGAGGGGTCTCAGACGTTGGG GGACACACTGCTGGGTGGGTGATTT
6129	Table 3A	Hs.43857	BF058599	10812495	mRNA for KlAA1247 protein, partial cds /cds=(285,2942)	-1	TAAGAAATCCCAATTTTCAGGAGTGG TGGTGTCAATAAACGCTCTGTGGC
6130	Table 3A	Hs.144583	BF059133	10813029		-1	CGGCAGGGTGGCCTGTAACAATTTCA GTTTTCGCAGAACATTCAGGTATT
6131	db mining	Hs.257697	BF060727	10819637	AL533532 cDNA /clone=CS0DN004YJ14-(5-prime)	-1	GGGGCTCCCTTCCCGGCTTTGTTTTC TCTGGGAGATTTTATTTT
6132	Table 3A	Hs.193237	BF062295	10821193	7k76b11.x1 cDNA, 3' end /clone=IMAGE:3481293 /clone_end=3'	-1	GAAAGTGGAGGGAGTGGACGGGGAG GAGACTAGCCAGAGAGGCTCATTAG
6133	Table 3A	Hs.174215	BF062628	10821538	7h62h05.x1 cDNA, 3' end /clone=IMAGE 3320601 /clone_end=3'	-1	CTTCTCCCCTCTTGCCCTCTGTGGTC TGATTTAAAACGAAAAGGTCGGAT
6134	db mining	Hs 159013	BF063675	10822585	hh82b10 x1 cDNA, 3' end /clone=IMAGE:2969275 /clone_end=3'	-1	GGACTTCTGAAATAGAGCTGGCTCCC TGGGGTGACAATGTATATATGCAA
6135	Table 3A	Hs.125887	BF109873	10939563		-1	CTGGGTGTCGTGGAAGATGACGAAG ATGCTGGGCTGGCAGATGCAGTCCA
6136	Table 3A	Hs.288443	BF110312		7n36d08.x1 cDNA, 3' end /clone=IMAGE:3566654 /clone_end=3'	-1	ACCAGGGCTTAAAACCTCAATTTATG TTCATGACAGTGGGGATTTTTCTT
6137	Table 3A	Hs.250905	BF116224	10985700	hypothetical protein (LOC51234), mRNA /cds=(0,551)	-1	ATTCTCCAACCACAAACAGCACTTCT AAAACTAACTTTACTTT
6138	Table 3A	Hs 318215	BF183507	11061818	601809991R1 cDNA, 3' end /clone=IMAGE:4040470 /clone_end=3'	-1	GATATAGTCTCCATACCCCATTACCA TCTCCCAGCCATTCCCCCTCCAAC
6139	Table 3A	Hs 96566	BF194880	11081165	6 602137338F1 cDNA, 5' end /clone=IMAGE:4274048 /clone_end=5'	-1	TGATACTTTGGTTCTCTTTCCTGCTCA GGTCCCTTCATTTGTACTTTGGA
6140	Table 3A	Hs 232257	BF195579	11082611	RST2302 cDNA	-1	TAATACTGGAGGGGCTTGAAGAAGG CTGTCGTGTTTTGTCACCTGCTTTG
6141	Table 3A	Hs.3353	BF197153	11085769	 beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3GAT1), mRNA /cds=(175,1179) 	-1	GTCTTTCCCGTCTTTCTTCCTCACCTA TGTAATTTCAGTAGTCTCTCAGC
6142	? Table 3A	NA	BF197762	11087169	7p91f02.x1 NCI_CGAP_Skn1 cDNA clone IMAGE:3653139 3', mRNA	-1	AGGAAGAGCCTGCACCTGTGGTGGA ACAATCAGGGAAAAGGAAGTCAAAA
6143	3 Table 3A	Hs.50785	BF221780	11128957	7 SEC22, vesicle trafficking protein (S. cerevisiae)-like 1 (SEC22L1), mRNA /cds=(119,766)	-1	TTTGGAGCTTCTATAGGAGTGGAGAG GGGCAGCTCATTGTTGAGAGTTGC
6144	Table 3A	Hs.250811	BF432643	11444806	5 v-ral simuan leukemia vıral oncogene homolog B (ras related; GTP bınding protein) (RALB), mRNA /cds=(170,790)	-1	TGATCTGACTGGAAAACAATCCTGTA TCCCCTCCCAAAGAATCATGGGCT
6145	5 Table 3A	Hs.296356	BF433058	1144522		-1	TCATCCCTTAAACACTCTGTGATGGG ATCTTCAGGATCATCTTTTGAAGT
6146	3 Table 3A	Hs.76611	BF433353	11445516	601435773F1 cDNA, 5' end /clone=IMAGE:3920562 /clone_end=5'	-1	TGCGTTTGGTTTAGGAATGTGCTTTT GTACTTCCACTTGAATAAAGGTGT
6147	7 Table 3A	Hs.178703	BF433657	1144584	/clone=nwage.392032760ffe_effd=3 6 AV716627 cDNA, 5' end /clone=DCBBCH05 /clone_end=5'	-1	TGCTCAGGGCACATGCACACAGACAT TTATCTCTGCACTCACATTTTGTG

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6148	Table 3A	Hs.222833	BF435098	11447386	7p05g01.x1 cDNA, 3' end	-1	GGTTATTGCTGACACGCTGTCCTCTG GCGACCTGTCGCTGGAGAGGTTGG
6149	Table 3A	Hs.293476	BF435621	11447923	/clone=IMAGE:3645097 /clone_end=3' hypothetical protein FKSG44	-1	CGTTTTCTGAGCATCCGTTGTGCCTT AACATTTTCTGCTTGTCCTTTGGG
6150) db mining	Hs 257641	BF436704	11448943	(FKSG44), mRNA /cds=(126,1520) 7p07d12 x1 cDNA, 3' end	-1	CTTCTGAATGCCCGAGTCTTCTCTTT TGTGCTCACAAATGCCACCCAATC
6151	Table 3A	Hs 160980	BF437585	11449991	/clone=IMAGE 3644999 /clone_end=3' 7p74d12 x1 cDNA, 3' end /clone=IMAGE 3651526 /clone_end=3'	-1	TGCTTACAAGGGTGATTGACCTTGCC TTACTCTTTATGTAAATTATGGCA
6152	2 db mining	Hs.258513	BF437915	11450432	AF150421 cDNA /clone=CBNBCG12	-1	CTGGCGTATTACCATTTTGATAGCCT CTCTTCAGGCTAGATAAGCTGGGG
615	3 Table 3A	Hs.126594	BF445163	11510224	nad21d12 x1 cDNA, 3' end /clone=iMAGE.3366191 /clone_end=3'	-1	CCCTGTATTATTGAAATGTCAGCATA ATGACTGGAAGGTGAAATTGGTCC
615	4 Table 3A	Hs.174104	BF445405	11510543	601438710F1 cDNA, 5' end /clone=IMAGE:3923643 /clone_end=5'	-1	ACTGCTGTTGCATGAATAGATGATAC AAAGCAAGTGATGAGGTTGGTATG
615	5 Table 3A	Hs.143389	BF446017	11511155	7p18a11.x1 cDNA, 3' end /clone=IMAGE:3646004 /clone_end=3'	-1	TGGAAGAACAAATTCAGACATCATCA GTAAGTCTTTAGGGACACAGGGAA
615	6 Table 3A	Hs 295726	BF447885	11513023	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51) (ITGAV), mRNA /cds=(41,3187)	-1	AGTGAAAACTGGTACAGTGTTCTGCT TGATTTACAACATGTAACTTGTGA
615	7 Table 3A	Hs.179526	BF475501	11546328	upregulated by 1,25-dihydroxyvitamin D- 3 (VDUP1), mRNA /cds=(221,1396)	-1	GCCAGAAAGTGTGGGCTGAAGATGG TTGGTTTCATGTTTTTGTATTATGT
615	8 Table 3A	Hs.181311	BF478238	11549065	asparaginyl-tRNA synthetase (NARS), mRNA /cds=(73,1719)	-1	TGTCCTCTGAACCTGAGTGAAGAAAT ATACTCTGTCCTTTGTACCTGCGT
615	9 Table 3A	Hs.179703	BF507849	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	tripartite motif protein 14 (TRIM14), mRNA /cds=(10,1230)	-1	CCATTTCCACTACATGCCTTTCCTAC CTTCCCTTCACAACCAATCAAGTG
616	0 Table 3A	Hs.159673	BF508053		UI-H-BI4-apx-b-11-0-UI s1 cDNA, 3' end /clone=IMAGE:3088845	-1	ACACTTCCCTGAATGTTGAAGAAGAT ATGCTATCCATGCAATCCTTGTCG ACTTGTGTTTGAACCACTTCTGCTTC
616	1 Table 3A	Hs.158999	BF508694		UI-H-BI4-aop-f-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:3085601	-1	CTCTTTAACCTGAGATGCACACGT ACATTCTCTCATTTTGCTGAAGCTGAT
616		Hs.77542	BF508702	11592000	602629438F1 cDNA, 5' end /clone=IMAGE:4754432 /clone_end=5'	-1 -1	TTGATTGGGTGTCTGTTTCTCGC TGACAGAATGAACTGGAAATGAAAT
616	3 Table 3A	Hs.127311	BF508731		AU185774 cDNA /clone=B02302-013	-1 -1	CCACAGTTATGATCGTAGTAGAGT AAGTACAGATGCCATCCCGGTGCTGT
616		Hs.144265	BF509758	11593056	UI-H-BI4-apg-d-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3087390	-1 -1	GATCTTCCAGCCATTCTCCATTTC ACTGCCAATCTGATTTAAAATTCTCCA
616		Hs.256931	BF510393	11593691	zb02d05.s1 cDNA, 3' end /clone=IMAGE:300873 /clone_end=3' UI-H-BI4-aof-b-08-0-UI.s1 cDNA, 3'	-1	AGCTTAATTCTGTGCAACAAACA GCCTGTTGTTCTGTTTATCGCCCTAT
616		Hs.276341	BF510670		end /clone=IMAGE:3084615 UI-H-BI3-alw-h-10-0-UI.s1 cDNA, 3'	-1	TTTACAAAACTGATTCTGACCTGG AACTGGCATTGCTAAGCCCCAGAAAA
616		Hs.248689 Hs.136375	BF512500 BF513274	11598453	end /clone=IMAGE:3069162	-1	ATGTATTTAGTGGAACAGATGAAA ACACTAGGTCCTTTTATACCTGTGCC
610		Hs.300870	BF513602	11598781	/clone=IMAGE:4666332 /clone_end=5'	-1	TTTACGTTCGTTTTCCTGATTGCA AATACAGATTCATTTTATTTAAGCGTC
61		Hs 255340	BF514247	11599426	clone DKFZp547M072)	-1	CGTGGCACCGACAGGGACCCCAG AGTTCATCCCCTTTCAGAAGCTGTTT
61			BF514341	11599520	end /clone=IMAGE:3082601 triggering receptor expressed on	-1	GCTCTTGGCTCATTAAACCTGTGA GCCTCTTTTCCTGTATCACACAAGGG
	72 Table 3A	Hs.83734	BF515538		myeloid cells 1 (TREM1), mRNA syntaxin 4A (placental) (STX4A),	-1	TCAGGGATGGTGGAGTAAAAGCTC TGTTAGGTGGCCTCTGCATACCTATG
	73 Table 3A		BF591040		mRNA /cds=(66,959) AL580165 cDNA	-1	GGAACTCAGTGATGTAATGCAAAG CTGGGGCCGTAGCAAAAATCATGAAA
	74 Table 3A	Hs.30941	BF592138	11684462	/clone=CS0DJ005YB18-(3-prime) calcium channel, voltage-dependent,	-1	AACACTTCAACGTGTCCTTTCAAT TGCCAAGTCAGCAGATTTGCTTTATG
٠.					beta 2 subunit (CACNB2), mRNA /cds=(501,2318)		AATTACAGGGACTAGAAATGCCCA
61	75 Table 3A	Hs 695	BF690338		cystatin B (stefin B) (CSTB), mRNA /cds=(96,392)	-1	TTGCATGTCTCTTCCTAAATTTCATTG TGTTGATTTCTAATCCTTCCCGT AGAGTGAGAAGGCAGTTCCAGTTTTA
61	76 Table 3A	Hs.142838	BF732404	12057407	nucleolar protein interacting with the FHA domain of pKi-67 (NIFK), mRNA /cds=(54,935)	-1	GCACAGATTTGTTTATGTGTTCAG
61	77 Table 3A	Hs 296317	BF938959	12356279	cds /cds=(3466,4899)	-1	GAAGTGACACTGACTGTATCTACCTC TCCTTTTCTTCATCAGGTGTTCCT
61	78 Table 3A	Hs.182937	BF939014	12356334	A) (PPIA), mRNA /cds=(44,541)	-1	TCCCTGGGTGATACCATTCAATGTCT TAATGTACTTGTGGCTCAGACCTG
61	79 Table 3A	Hs 26136	BF940103		hypothetical protein MGC14156 (MGC14156), mRNA /cds=(82,426)	-1	AATTCCAAAGGAGTGATGTTGGAATA GTCCCTCTAAGGGAGAGAAATGCA
61	80 Table 3A	Hs 133372	BF940291		1 AF150127 cDNA /clone=CBCBGA01	-1	AGCCCCTCCACCCACCCAGTACTTT TACAATGTGTTATTAAAGACCCCT
61	181 Table 3A	Hs.304900			4 602288147F1 cDNA, 5' end /clone=IMAGE:4373963 /clone_end=5'	-1	CCATCCTTGAGAAATGTGGGCACCAA GTCCATAATCTCCATAAATCCAAT CGTTGCATTTTCACATTTGTGTGGCA
6	182 Table 3A				6 7o45b01.x1 cDNA, 3' end /clone=IMAGE:3576912 /clone_end=3'	-1	GGACAAGCATGGGGCAAGAGGGAC
6′	183 Table 3A	Hs.8258	BG054966	1251222	0 cDNA FLJ14737 fis, clone NT2RP3002273, weakly similar to SCD6 PROTEIN /cds=(77,1468)	-1	TCCGAATCACTGACTGGGGCGTTT

6184	Table 3A	Hs.179661	BG056668	12521375	Homo sapiens, tubulin, beta 5, clone MGC:4029 IMAGE:3617988, mRNA,	-1	TTGAAAAGATGACATCGCCCCAAGAG CCAAAAATAAATGGGAATTGAAAA
6185	Table 3A	Hs.56205	BG057282	12522612	complete cds /cds=(1705,3039) insulin induced gene 1 (INSIG1), mRNA /cds=(414,1247)	-1	TGCACTCTACCAGATTTGAACATCTA GTGAGGTTCACATTCATACTAAGT
6186	Table 3A	Hs 3709	BG057892	12523835	low molecular mass ubiquinone-binding protein (9 5kD) (QP-C), mRNA /cds=(77,358)	-1	TGGTGATATCTGCTTAGATTTCCCTG TATCTTTGCTGCCCTCCTTCAAGT
6187	Table 3A	Hs.5122	BG058599	12525258	602293015F1 cDNA, 5' end /clone=IMAGE:4387778 /clone end=5'	-1	AGTTGGAGCTATCTGTGCAGCAGTTT CTCTACAGTTGTGCATAAATGTTT
6188	Table 3A	Hs.89104	BG058739	12525527	602590917F1 cDNA, 5' end /clone=IMAGE:4717348 /clone end=5'	-1	CGTGGGAGGATGACAAAGAAGCATG AGTCACCCTGCTGGATAAACTTAGA
6189	Table 3A	Hs.166982	BG149747	12661777	phosphatidylinositol glycan, class F (PIGF), mRNA /cds=(67,726)	-1	GTGGTTTGGTCAGCATACACACTTCT CATTTCATTTGATGTACACAGCCA
6190	Table 3A	Hs.100293	BG149986	12662016	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase) (OGT),	-1	ACCTGGGATTTCATTTCTGCTGAAAG AAATAGGAAGAACAGGACTCACTT
6191	Table 3A	Hs 198427	BG150273	12662303	, ,,	-1	GGGTGTGATGAATAGCGAATCATCTC AAATCCTTGAGCACTCAGTCTAGT
6192	Table 3A	Hs 313610	BG150461	12662491	/cds=(1490,4243) ~7k01d08.x1 cDNA, 3' end /clone=IMAGE:3443006 /clone end=3'	-1	AGCTTTCACCACCTCGCAGTTGTAGA GATAGTCCCCGAAATATTATTCCA
6193	Table 3A	Hs.184456	BG230563	12725596	hypothetical protein (LOC51249), mRNA /cds=(0,611)	-1	GTGTGAAGTGACAGCCTTGTGTGTGA TGTTTTCTGCCTTCCCCAAGTTTG
6194	Table 3A	Hs 89104	BG231557	12726664	602590917F1 cDNA, 5' end /clone=IMAGE:4717348 /clone end=5'	-1	TTGTTTTAACAACTCTTCTCAACATTT TGTCCAGGTTATTCACTGTAACCA
6195	Table 3A	Hs.152925	BG231805	12726934	mRNA for KIAA1268 protein, partial cds /cds=(0,3071)	-1	TAAGTGGATTGGCAGACTCCTTGTTG CTTAAGAGTGGCTTTCTAGGCAGG
6196	Table 3A	Hs.89104	BG231961	12727100	602590917F1 cDNA, 5' end /clone=IMAGE:4717348 /clone end=5'	-1	TTGTTTTAACAACTCTTCTCAACATTT TGTCCAGGTTATTCACTGTAACCA
6197	Table 3A	Hs.337986	BG235942	12749789	Homo sapiens, clone MGC:17431 IMAGE:2984883, mRNA, complete cds /cds=(1336,1494)	-1	GCCAGTCTCTATGTGTCTTAATCCCT TGTCCTTCATTAAAAGCAAAACTA
6198	Table 3A	Hs.3353	BG236015	12749862	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3GAT1),	-1	GTCTTTCCCGTCTTTCTTCCTCACCTA TGTAATTTCAGTAGTCTCTCAGC
6199	Table 3A	Hs.75703	BG236084	12749931	mRNA /cds=(175,1179) small inducible cytokine A4 (homologous to mouse Mip-1b)	-1	GGTCCACTCTCACTCTTTCTCTGCTG TTGCAAATACATGGATAACACCGT
6200	db mining	Hs.5146	D19756	500072	(SCYA4), mRNA /cds=(108,386) HUMGS00712 cDNA, 3' end /clone=mm0970 /clone end=3'	-1	CATTCAGTATTTATTGGGAAGACTTG TCAAGCACCATGATAAGTGGTGGA
6201	db mining	Hs.237971	D19770	500086	hypothetical protein MGC5627 (MGC5627), mRNA /cds=(72,584)	-1	AGAGGGGAAGGACTTACATGACAT CCTACTGGGAATTTGCTAGAAACCA
6202	db mining	Hs.30709	D20225	501322	HUMGS01199 cDNA, 3' end /clone=pm0880 /clone_end=3'	-1	CTGGTGAAGCTGACTCCCCAGGTAAA GAGATATCAGCTCTGCTTCAGACT
6203	db mining	Hs.30731	D20378	501474	HUMGS01352 cDNA, 3' end /clone=pm2943 /clone end=3'	-1	TTGCTTCTTCCTGCTTTATAGAGTTCC CGTAAAATACCCTTCACCCTGGC
6204	db mining	NA	D20425	501521	HUMGS01399 Human promyelocyte cDNA clone pm1281 3', mRNA	-1	TCTGACCTCCGTGACGTTTATTACCA GCTGATGTCCCGTACACTGATTTCA
6205	db mining	Hs 229071	D20458	501554	•	-1	GGGAAGGGTCAGCAACGATTTCTCA CCAAATCACTACACAGACACAAAGG
6206	db mining	Hs.330221	D20465	501561	HUMGS01439 cDNA, 3' end /clone=pm2194 /clone_end=3'	-1	ACCACTAAATGGTTACACTACACCAA GACACTAAAATGGCAGGGAGCCCT
6207	db mining	Hs.92440	D20522	501618	HUMGS01497 cDNA, 3' end /clone=pm1507 /clone_end=3'	-1	AAATTCAAATCACCCTTGATACCCAC TTCTTTCTCCCACCCAAATCTGAT
6208	db mining	Hs 90165	D20538	501634	HUMGS01513 cDNA, 3' end /clone=pm1504 /clone end=3'	-1	ACCATATCGTGCAAAATGTAATATGG AATTTCCAAACATCAATGAAGGGAT
6209	db mining	Hs 90171	D20572	501668	HUMGS01547 cDNA, 3' end /clone=pm1503 /clone_end=3'	-1	AATAAGTACCGTATATAAACACTTCTC TTTCTCTCCTCCACAATGGCACG
6210	db mining	Hs.30766	D20726	504546	HUMGS01703 cDNA, 3' end /clone=mp0664 /clone_end=3'	-1	AGCATCACTCTTAGAAGAAGCAACTC CTTCCCTTGATTCTGTGTATTTGG
6211	db mining	Hs.5816	D20846	504666	HUMGS01827 cDNA, 3' end /clone=mp0825 /clone_end=3'	-1	TCAACCCAGAATCTATAATGTATGAA ATAAATTAATAGAGAACCCAACAGAT C
6212	db mining	Hs.30793	D20888	504708	HUMGS01869 cDNA, 3' end /clone=mp0836 /clone_end=3'	-1	AAGGTCTCCATCTAACAGGTAGAGCA GTTGGTGCAGATGAGATG
6213	Table 3A	Hs 292590	D59502	960608	602626586F1 cDNA, 5' end /clone=IMAGE:4751396 /clone_end=5'	-1	GGTGATGATACCACCTCCAATGAACA GGGAAGCAAGTTCATCAGTCAACA
6214	Table 3A	Hs.119274	F13765	758015	RAS p21 protein activator (GTPase activating protein) 3 (Ins(1,3,4,5)P4-binding protein) (GAP1IP4BP), mRNA	-1	AGCTGTTGGGGCTGCACTGAGCTGC AATTTTTAACATGGATTTATAACTT
6215	db mining	Hs 238797	H07915	872737	/cds=(46,2550) 602081661F1 cDNA, 5' end /clone=IMAGE:4245999 /clone_end=5'	-1	AAGGAATTTGTTTTCCCTATCCTAACT CAGTAACAGAGGGTTTACTCCGA

Table 8

					Table 0		
6216	db mining	Hs 11307	H09541	874363	RST29274 cDNA	-1	CGCACACATTTTCTGTATGGACAAAT
6217	Table 3A	Hs.187908	H69141	1030426	EST375312 cDNA	-1	CCTGGATTGGCTTCGTTATTTGGT GGTAATGAAACAATCATCCAGTTAAC
6218	Table 3A	Hs 117005	H71236	1043052	sialic acid binding Ig-like lectin 5	-1	AATCAGCAAGGTTCTTCAGAGCCT TGGAAGAGTGGACTGAAGAAAGAACT
6219	Table 3A	NA	H78395	1056484	(SIGLEC5), mRNA /cds≈(142,1797) yu12f03.s1 Soares fetal liver spleen 1NFLS cDNA clone IMAGE:233597 3'	-1	TATACTCTCCCTCCTCTAAAATTGA TCCTGGGCTATTGGCTTTATGATATC TTTTGAGAAACAGGATTTTCACTT
6220	Table 3A	Hs 38664	H80108	1058197	similar to contains Alu repet IL0-MT0152-061100-501-e04 cDNA	-1	ACCTTTTAAGGATGTCTTATTTCCACC CCAACTCTCCACTCCA
6221	Table 3A	NA	H92914	1099242	yt94g03.s1 Soares_pineal_gland_N3HPG cDNA	-1	GAACCTTCAAAACTGTCACTTTGAGT TCCAGAAGAGTCCTTCAGCATCTT
6222	Table 3A	Hs.2210	L40410	703109	clone IMAGE:231988 3', mRNA thyroid receptor interactor (TRIP3) mRNA, 3' end of cds /cds=(0,458)	-1	GTATTTGGGCTTCTCCAAGCAGATCA CGCAGACGACGGTGCTACATTTGA
6223	Table 3A	Hs 2200	L40557	705359	perform 1 (preforming protein) (PRF1), mRNA /cds=(0,1667)	-1	CAAGCATACTGGTTCTTTCCAAGCTC ACTGTTCTCACCACACGGCCCCAC
6224	Table 3A	Hs.198726	M24069	181483	vasoactive intestinal peptide receptor 1 (VIPR1), mRNA /cds=(56,1543)	-1	TCCATATCCATTTCTGACGTTGAACC ATTTGACAGTGCCAAGGACTTTGG
6225	Table 3A	Hs.132911	N20190	1125145	MR2-OT0079-290500-007-b03 cDNA	-1	AAGCCTGTTTTTCACTCTAAAAATTCA AGAGGACACGCTAAGAACGATCA
6226	Table 3A	Hs.323950	N23307		zinc finger protein 6 (CMPX1) (ZNF6), mRNA /cds=(1265,3361)	-1	CCTCAGCTTCCAACTCTGATTCCAGG ACAGGATGGAAAACCTTTGGACAG
6227	Table 3A	Hs.32250	N30152		yx81f03.s1 cDNA, 3' end /clone=IMAGE:268157 /clone_end=3'	-1	GCGCACATGGCTATTTTGATACACAA AGTTGTGTTTGCTACTTTAGAAGC
6228	db mining	Hs.44512	N33584		yv21f11.s1 cDNA, 3' end /clone=IMAGE:243405 /clone_end=3'	-1	AACTCACGACAATTGCTACAAAACAC CAGGGAGGGGCTTTTTGTGTTTTT
6229	Table 3A	Hs.3353	N36787	1157929	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3GAT1), mRNA /cds=(175,1179)	-1	GTCTTTCCCGTCTTTCTTCCTCACCTA TGTAATTTCAGTAGTCTCTCAGC
6230	Table 3A	Hs.38218	N39230	1162437	602569369F1 cDNA, 5' end /clone=IMAGE:4693744 /clone_end=5'	-1	GCCCTGGTATGTATGCCTTTCTCCC TACTGTCTAATAGCACCTCGTAAA
6231	Table 3A	Hs.236456	N49836	1191002	602287746T1 cDNA, 3' end /clone=IMAGE:4375067 /clone_end=3'	-1	AAGAAACCGTGGAAGATACTGGTTTA TTTCAAATGAGCAGAGTATGTTGT
6232	Table 3A	Hs.114453	N58052	1201942	601880526F1 cDNA, 5' end /clone=IMAGE:4109119 /clone_end=5'	-1	CCACCTCTTCTGACATGAATGTAGCA TAAGTTAGCAATCGGTTCTTCCAA
6233	Table 3A	Hs.334731	N58136	1202026	Homo sapiens, clone IMAGE:3448306, mRNA, partial cds /cds=(0,2353)	-1	AGGTTCCCTTTCAAATAAAGATAAAG AATTTGACTTGGGACACTGCCAGA
6234	Table 3A	Hs.205555	N72600	1229704	za46f08.r1 cDNA, 5' end /clone=IMAGE:295623 /clone_end=5'	-1	GGCTGGCCTCATTTTGAAAAGTTAGT ACAATTTTCTTCAGTGCTAACTTG
6235	Table 3A	Hs.256931	N80578		zb02d05.s1 cDNA, 3' end /clone=IMAGE:300873 /clone_end=3'	-1	ACTCCAGAACGTCAGAAATGGTGTAG CAGAATGAATTCTGTTATAAGGAA
6236	Table 3A	Hs.303018	N94511		zb80g04.s1 cDNA, 3' end /clone=IMAGE:309942 /clone_end=3'	-1	CTGTTCGAAAGTTGGAGACTGCCTGT ACCCAGGTTGATAGTCAATTGTTT
6237	db mining	Hs,118964	NM_017660		hypothetical protein FLJ20085 (FLJ20085), mRNA /cds=(62,655)	-1	CCACCTTGAGCGCCTTCTTCTGGTTG GTTGTCATGCAGTTCTCACACATG
6238	Table 3A	Hs.11594	R12665		yf40a04.s1 cDNA, 3' end /cione=IMAGE:129294 /cione_end=3'	-1	ACCCTTCCCCTTTTTCATATCCTTTCT TCAAAAATCTAAATGATGTGCCT
6239	db mining	Hs.108082			602068988F1 cDNA, 5' end /clone=IMAGE:4067972 /clone_end=5'	-1	AGTTCCAGGAGGTGGTTTTAAATATT GGATGAAAACTTACAGGCTGTTTT
6240	db mining	Hs.94881	R50838		602387586F1 cDNA, 5' end /clone=IMAGE:4516388 /clone_end=5'	-1	ACAATACATTTACAAAGCCATCTTTAC ATGCATTAAACGAGGGCTACAAC
6241	Table 3A	Hs.94881	R50838		602387586F1 cDNA, 5' end /clone=IMAGE:4516388 /clone_end=5'	-1	ACAATACATTTACAAAGCCATCTTTAC ATGCATTAAACGAGGGCTACAAC
6242	RG housekeeping genes	Hs.92004	R52541	814443	HSU55967 cDNA /clone=39883	-1	GGCCTGAAGAAGGAGATAAGTGTTC CATTCGGCAACATAAGAGAAGTTAA
6243	RG housekeeping genes	Hs.26766	R60313	831008	602270716F1 cDNA, 5' end /clone=IMAGE.4359027 /clone_end=5'	-1	TCCATCCCAAAGGAGAGCTACTGTAC TGACTGTACTTGTGGAATGCAGCG
6244	db mining	Hs.330530	T25714	563034	ESTDIR309 cDNA, 3' end /clone=CDDIRX9 /clone_end=3'	-1	ACCCACCACTCTCAGGACCACCTGAA GGCAGAATAAACCGGATCCTGTTG
6245	db mining	NA	T25727	563047	ESTDIRX51 CD34+DIRECTIONAL cDNA clone CDDIRX51 3', mRNA	-1	AAATTGTGTGAGAAGGCTGATAAACG TCTGTGGTTTCTCCCTGTGCTATT
6246	db mining	Hs.7569	T26893	567784	ESTDIR465 cDNA, 3' end /clone=CDDIR465 /clone_end=3'	-1	GCTGGGCTTCTGCAAAATTATAAAGT TGCTTTATTAAATTCATACATGCGG
6247	db mining	Hs 172822	T26903	567794	ESTDIR551 cDNA, 3' end /clone=CDDIR551 /clone_end=3'	-1	AGCTGATTCATTCATTCTATGTGTGC CACTAAATAAAGAGATTGAGCAAGT
6248	Table 3A	Hs 185675	T98171	747516	QV2-EN0098-010201-603-a05 cDNA	-1	CTTGAAGCTGTGTTGGTGGCCTGTGA CCTTCCAATGCAATCTAGACTGTG
6249	Table 3A	Hs.58066	W72392	1382348	602389077F1 cDNA, 5' end /clone=IMAGE:4517875 /clone_end=5'	-1	CTCATACACTTCTCAGCCTCAGCACC TAACCCTCACACACACACTCCAGTA

Table 8

6250	Table 3A	NA	W86427	1400194	zh61c11.s1 Soares_fetal_liver_spleen_1NFLS_S1 cDNA clone IMAGE:416564 3', mRNA sequence	-1	TGAGTATTGTTGTGGGGGCGGGTAT GTCTGTATATAAATCTGTGCAGCCA
6251	Table 1	NA	AA136584	1697794	zn95b02 s1 Stratagene fetal retina 937202 cDNA clone IMAGE:565899 3', mRNA sequence	-1	AACATATCCAGGGAGGACAAACTCTG GGCTGGACAATGTATCCACAAGGG
6252	Table 1	NA	AA431959	2115667	zw77a03 s1 Soares_testis_NHT cDNA clone IMAGE:782188 3', mRNA	-1	AGAGCAAGTCTCAGAAATAATGCTGT ATCTACACTGTCATGTATTTGCCA
6253	Table 1	NA	AA482019	2209697	zu98e04 s1 NCI_CGAP_GCB1 cDNA clone IMAGE:746046 3', mRNA	-1	ACCACCAGCTATTTGTAATTCCTTCTT CTAAGGCATAGTGAAAACTTGCT
6254	Table 1	NA	AA524720	2265648	ng42e03 s1 NCI_CGAP_Co3 cDNA clone IMAGE:937468 3', mRNA	-1	GGACGGTTGGCTGAATGGCAACAGT GATGGAATATTTATATTTAGCCACA
6255	Table 1	Hs.57787	AA588755	2402486	602381381F1 cDNA, 5' end /clone=IMAGE:4498845 /clone_end=5'	-1	AGGTTGTTATCAGGTGGCACAAATTA AATCCATCTTGAAGACTTCACACA
6256	Table 1	NA	AA628833	2541220	af37g04.s1 Soares_total_fetus_Nb2HF8_9w cDNA clone IMAGE:1033878 3', mRNA	-1	GACTCGTTACGCCGTAGTTTGTCCTA TCTTGTTTATCAAATGAATTTCGT
6257	Table 2	Hs.180669	AA633203	2556617	OS-4 protein (OS-4) mRNA, complete cds /cds=(305,1156)	-1	AGAGCTATGGGTGCTACAGGCTTGTC TTTCTAAGTGACATATTCTTATCT
6258	Table 1	Hs.239489	AA639796	2563575	TIA1 cytotoxic granule-associated RNA- binding protein (TIA1), transcript variant 2, mRNA /cds=(185,1345)	-1	ACCCTTATAAACCAGAGCCCAGGAAA GACAGCTCGAGTGTATAATTCTCT
6259	Table 1	Hs.29282	AA748714	2788672	mitogen-activated protein kinase kinase kinase 3 (MAP3K3), mRNA	-1	AGCTCCTCCCTCTCAACACCCCAGTTT CCTTGGGAGTTGTCATTAAAGGAA
6260	Table 1	Hs.111554	AA806222	2874972	ADP-ribosylation factor-like 7 (ARL7), mRNA /cds=(14,592)	-1	GCTGTAATTCTCTGTCTCATCATCCTT CTCTTTTGTTTCCATAGCCTTTT
6261	Table 1	NA	AA806766	2875516	ob91d04.s1 NCI_CGAP_GCB1 cDNA clone IMAGE:1338727 3', mRNA	-1	TCGCTTTCTAACTGATTCCATTCCAC CATGTCAGATACTCCTGGGCTGCT
6262	Table 1	Hs.226755	AA909983	3049273	RC1-UT0033-250800-022-h02 cDNA	-1	ATCCAAGCTTTAATTCTGCCATCTCA GAATGGTGATAAACCATTTCTCCC
6263	Table 1	Hs.50252	AA984245	3162770	mitochondrial ribosomal protein L32 (MRPL32), mRNA /cds=(46,612)	-1	TCAGCCAACCTGAATCTGGTATCTTT ACTTAAACACAGCAGTTGTAGTTA
6264	Table 1	Hs.53542	Al084224	3422647		-1	TCAATAGTTGTGAAATTCTTCTCAGG CTCCTTAAACCCTCGCTTTGTTGT
6265	Table 1	Hs.135167	Al091533	3430592	AV712376 cDNA, 5' end /clone=DCAAND12 /clone end=5'	-1	AGAGGCAACACTTAAACACTAGGGCT ACTGTGGCATCTATGTAGACAGGA
6266	Table 1	Hs.11637	Al275205	3897479	602388093F1 cDNA, 5' end /clone=IMAGE:4517086 /clone end=5'	-1	TGACTTTCAGGAATGTCAGCATTGAC CTCTCCTTGCCACTGTTACTCAGC
6267	Table 1	Hs.8724	Al298509	3958245	serine threonine protein kinase (NDR), mRNA /cds=(595,1992)	-1	TCTCAAGAGAGAACGCCACAGCAGA GAGACCCAATCCGCCTAAGTTGCAG
6268	Table 1	Hs.142838	Al299573	3959158	nucleolar protein interacting with the FHA domain of pKi-67 (NIFK), mRNA /cds=(54,935)	-1	AGAGTGAGAAGGCAGTTCCAGTTTTA GCACAGATTTGTTTATGTGTTCAG
6269	Table 1	Hs.100555	Al352690	4089896	DEAD/H (Asp-Giu-Ala-Asp/His) box polypeptide 18 (Myc-regulated) (DDX18), mRNA /cds=(71,2083)	-1	GGGGTAGGAAGAGGATGGAATTGAG ATGTTTGAGCCTCATTTACATCAAT
6270	Table 1	Hs.108124	Al362793	4114414	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	-1	GCTCGCTACCAGAAATCCTACCGATA AGCCCATCGTGACTCAAAACTCAC
6271	Table 1	Hs.134342	Al363001	4114622	mRNA for LanC-like protein 2 (lancl2	-1	GACGCGCACACCCTTGAGTGACAG CGACCTCTTCTCTACAGGTTTTCCC
6272	Table 1	Hs.192427	Al380016	4189869	gene) /cds=(186,1538) 602296277F1 cDNA, 5' end /clone=IMAGE:4390770 /clone_end=5'	-1	ACTTCCCCTTTAGGTATCCCTGGAGT AATAATGACAACAAAATTCACTGC
6273	Table 2	Hs.158976	Al380390	4190243	UI-H-BI2-ahi-a-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2726692	-1	GTCCTTTGATAGCAGAACAAGAGGCT CTGTGATCCTCTGGACCTCAGATT
6274	Table 1	NA	Al392705	4222252	tg23b03.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:2109581 3', mRNA	-1	TGCAGGCTCATTGTGCTCCTTCTTCT GGGTTTCAATTGGATTTCAGTCCT
6275	Table 1	Hs.76239	Al393970	4223517	hypothetical protein FLJ20608 (FLJ20608), mRNA /cds=(81,680)	-1	GAGGACTGGGACCGTGATTCCACTA ACCGGAAACCGTCGCCTTTCGGGCC
6276	Table 1	Hs.79968	Al419082	4265013	splicing factor 30, survival of motor neuron-related (SPF30), mRNA	-1	GGATGTGTGATGTTTATATGGGAGAA CAAAAAGCTGATGTATAGCCCTGT
6277	Table 1	Hs.121973	Al458739	4311318	602428025F1 cDNA, 5' end /clone=IMAGE:4547239 /clone_end=5'	-1	CCTGCAACAGCTAAGGCCAAGCCAA ACTTACCGTGGACTCAAACACTTTG
6278	Table 1	Hs.342008	Al498316	4390298	UI-H-BI1-aeq-b-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2720186	-1	GCCAGAATGGTACAGAGTGGAGGGT GTTCTGCTAATGACTTCAGAGAAGT
6279	Table 1	Hs.194054	Al523854	4437989	HA0669 cDNA	-1	GACAAAATAGTTACCTATGCTTTCCTT CTGGCACCCCGAATGTACGCAGG
6280	Table 1	Hs.14623	Al571519	4534893	interferon, gamma-inducible protein 30 (IFI30), mRNA /cds=(40,951)	-1	AAGCCCAGATACACAAAATTCCACCC CATGATCAAGAATCCTGCTCCACT
6281	Table 1	Hs.278554	Al627495	4664295	chromobox homolog 3 (Drosophila HP1 gamma) (CBX3), mRNA /cds=(111,662)	-1	TGCTGAAAGTGGTCCCAAAGGGGTA CTAGTTTTTAAGCTCCCAACTCCCC
6282	Table 1	Hs.17132	Al633798	4685128	602326676F1 cDNA, 5' end /clone=IMAGE:4427970 /clone_end=5'	-1	GCAACTGTTTTCTAGGACATGTTTAC TAGAACTACTTTAAGTATGCTGTGC
6283	Table 1	Hs.4283	Al651212	4735191	602621616F1 cDNA, 5' end /clone=IMAGE:4755315 /clone_end=5'	-1	ACAGTTACTTTGGAGCTGCTAGACTG GTTTTCTGTGTTGGTAAATTGCCT

					le selle de la contra El 190086	-1	CGCCAGAGGTCAGAACATGTCTATTT
6284	Table 1	Hs.324507	Al678099	4888281	hypothetical protein FLJ20986 (FLJ20986), mRNA /cds=(182,2056)	-1	TGAATTGGATCGTTACAAATGAGC
6285	Table 1	Hs 90744	AI684022	4895316	proteasome (prosome, macropain) 26S	-1	TTCTGACACGATTACACAACGAGGCT
6265	Table 1	115 307 77	A1004022	1000010	subunit, non-ATPase, 11 (PSMD11),		TTAATGCCATTTGGGTAGGTGAGC
					mRNA /cds=(0,1268)		
6286	Table 1	NA	Al688560	4899854	wd39f08 x1 Soares_NFL_T_GBC_S1	-1	ACTGAAAAGTTGAAAGACTTTTGCAG
					cDNA clone IMAGE.2330535 3', mRNA		TGAACATTTATATAACTCCCCGCT
					sequence	4	TGGTTCCTGTGCTCACCATAGGGCTG
6287	Table 1	Hs.177708	Al697756	4985656	602369210F1 cDNA, 5' end /clone=IMAGE:4477370 /clone_end=5'	-1	GTGTACATTGGGCCATTAATAAAC
		U- 00007	A170446E	4000065	v-yes-1 Yamaguchi sarcoma viral	-1	TCTGGGAAAGACATTTTTAAGCTGCT
6288	Table 1	Hs.80887	Al701165	4909000	related oncogene homolog (LYN),		GACTTCACCTGCAAAATCTAACAG
					mRNA /cds=(297,1835)		
6289	Table 1	Hs.299883	Al742850	5111138	hypothetical protein FLJ23399	-1	TGTTTTACCTCACTGTTGGACATACAT
0200	Table 1	1.0.20000			(FLJ23399), mRNA /cds=(282,1769)		TCCAAGCTTTTCAACTCTAGGAG
6290	Table 1	Hs.14373	AI760353	5176020	yx26h11 r1 cDNA, 5' end	-1	TTTATCTCAGAATCTTGATGAACTCTG
					/clone=IMAGE:262917 /clone_end=5'		AAATGACCCCTGATGGGGGCATG
6291	Table 1	Hs.36137	AI765153	5231662	hepatocyte nuclear factor 3, gamma	-1	CCGGGAAGCGGGGTACTGGCTGTGT TTAATCATTAAAGGTACCGTGTCCG
			41000547	5000040	(HNF3G), mRNA /cds=(0,1043)	-1	AGCCCTTTCTTGTTGCTGTATGTTTA
6292	Table 1	Hs.195175	Al802547	5368019	mRNA for CASH alpha protein /cds=(481,1923)		GATGCTTTCCAATCTTTTGTTACT
0000	Table 1	Hs.25648	Al803065	5368537	tumor necrosis factor receptor	-1	GGGGTATGGTTTAGTAATATCCACCA
6293	Table 1	HS.25040	A1000000	0000001	superfamily, member 5 (TNFRSF5),		GACCTTCCGATCCAGCAGTTTGGT
					mRNA /cds=(47,880)		
6294	Table 1	ΝA	Al807278	5393844	wf38h03.x1 Soares_NFL_T_GBC_S1	-1	CTCTACCATAAGGCACTATCAGAGAC
					cDNA clone IMAGE:2357909 3', mRNA		TGCTACTGGAGTGTATATTTGGTT
					sequence		TGGGGCACTTTGAAAACTTCACAGGC
6295	Table 1	Hs.220850	Al880607	5554656	ym91d11.r1 cDNA, 5' end	-1	CCACTGCTGCTTGCTGAAATAAAA
		II- 00000	A1004674	EE0063E	/clone=IMAGE:166293 /clone_end=5' 602254146F1 cDNA, 5' end	-1	TGGCGAGGATAAATAGAGGCATTGTT
6296	Table 1	Hs.23096	Al884671	2209033	/clone=IMAGE:4346626 /clone_end=5'	•	TTTGCTACTTTGCATATCATTGGC
6297	Table 1	Hs.179391	Al917642	5637497	wi52d11.x1 cDNA, 3' end	-1	GCAGGAAAGATGGGGTGGTGGACTG
0231	Table 1	110.11.0001		•••	/clone=IMAGE:2393877 /clone_end=3'		TTTTTGCCTACTTTTTGTTTTTGAA
6298	Table 1	Hs.180446	Al948513	5740823	importin beta subunit mRNA, complete	-1	CAGGGTATCAGATATTGTGCCTTTTG
					cds /cds=(337,2967)	_	GTGCCAGGTTCAAAGTCAAGTGCC
6299	Table 1	Hs.7557	AL042081	5421426	FK506-binding protein 5 (FKBP5),	-1	AGGCTGCATATGGATTGCCAAGTCAG CATATGAGGAATTAAAGACATTGT
			41.460.400	0055440	mRNA /cds=(153,1526)	-1	TTAAGAACCCCAAAGATTAAAGGAAA
6300	Table 1	Hs.39911	AL138429	6855110	mRNA for FLJ00089 protein, partial cds /cds=(62,1111)	-1	CAATGTTAAGGGCTTTTGTGAGGA
0004	Table 4	Hs.13144	AL521097	12784590	HSPC160 protein (HSPC160), mRNA	-1	GATACACTGTCCAGCCCAGGTCCAG
6301	Table 1	П5. 13 144	AL321037	12/04000	/cds=(53,514)		GCCCTAGGTTCTTTACTCTAGCTAC
6302	Table 1	Hs.26670	AL540260	12870241	AL540260 cDNA	-1	ACTCAGGTGGTGCTGGTGTTAGTGAT
****					/clone=CS0DF032YF03-(3-prime)		GCTGGAGAAGAGAATATTACTGGT
6303	Table 1	Hs.183232	AL561892	12909772	hypothetical protein FLJ22638	-1	AAACACAGCCCACCCCATTTCAGACC GCCTTCCTGAGGAGAAAATGACAG
				40040500	(FLJ22638), mRNA /cds=(12,476)	-1	TTGGCCCAGTGTGATTGATTGCTTTA
6304	Table 1	Hs 5057	AL578975	12943566	AL578975 cDNA /clone=CS0DK012YN01-(3-prime)	-1	TCTTTGGTACTTTTACTTGAATGG
6205	Table 1	He 108206	AL582354	12950255		-1	AGCCTGAGGCAAATAAAATTCCAGTA
6305	Table 1	115.190290	AE302004	12000200	actin dependent regulator of chromatin,		ATTTCGAAGAATGGGTGTTGGCAA
					subfamily a, member 2 (SMARCA2),		
					mRNA /cds=(297,5015)		
6306	Table 1	Hs.101370	AL583391	12952309	AL583391 cDNA	-1	AGGACCTTGACAAGCCGTTTGAGATG GAATGTAGGCCCTGATGTTATGCT
				0000076	/clone=CS0DL012YA12-(3-prime)	-1	TGTAAGTTGACTTTCAAAAGTCTCTG
6307	Table 1	Hs.38218	AV659358	98803/2	602569369F1 cDNA, 5' end /clone=IMAGE:4693744 /clone_end=5'	-,	GAAACACTGGACTTTAGCTGGTCC
6308	Table 1	Hs.301704	AW002985	5849991	eomesodermin (Xenopus laevis)	-1	AACAAGCCATGTTTGCCCTAGTCCAG
0300	Table I	110.001101	71000000		homolog (EOMES), mRNA		GATTGCCTCACTTGAGACTTGCTA
6309	Table 1	NA	AW027160	5885916	wt72b08.x1 Soares_thymus_NHFTh	-1	ACCGCCAAAGCCAATCATCCACTTTC
					cDNA clone IMAGE 2512983 3' similar		AGTACTTACCTAACCAATCTCCCA
					to contains Alu repetitive eleme	4	TTTGGGGGATCCTTTTGTAATGACTT
6310	Table 1	Hs 89433	AW071894	6026892	ATP-binding cassette, sub-family C	-1	ACACTGGAAATGCGAACATTTGCA
					(CFTR/MRP), member 1 (ABCC1), transcript variant 1, mRNA		ACACTOCATTICOCATION
6311	Table 1	He 335440	AW136717	6140850	UI-H-BI1-adm-a-03-0-UI.s1 cDNA, 3'	-1	TTCTGGCCTTGTTCACCTAGAAACGC
0311	Table I	115.555446	, A11100717	014000	end /clone=IMAGE:2717092		TATTTCCTGTGTTATGGTTCTGGC
6312	Table 1	Hs.12035	AW137149	614128	602122419F1 cDNA, 5' end	-1	GGGTTACATTTGAGTCTCTGTACCTG
5512					/clone=IMAGE:4279300 /clone_end=5'		CTTGGAAGAAATAAAAATACGTGT
6313	Table 1	Hs 337727	7 AW161820	630085	3 au70h03.x1 cDNA, 3' end	-1	TGTGGGCTTGGTATAAACCCTACTTT
					/clone=IMAGE:2781653 /clone_end=3'	4	GTGATTTGCTAAAGCACAGGATGT ACTGGCAAATGAAGCATACTGGCTTG
6314	Table 1	Hs.81248	AW166442	639796	7 CUG triplet repeat, RNA-binding protein 1 (CUGBP1), mRNA	-1	CAGGGACCTTCTGATTCAAGTACA
6245	Table 1	He 16607	5 AW293159	669979	5 splicing factor, arginine/serine-rich 5	-1	CTCCCATCATTCCCTCCCGAAAGCCA
6315	Table 1	115.1009/3	, MARCOOLOG	303313	(SFRS5), mRNA /cds=(218,541)		TTTTGTTCAGTTGCTCATCCACGC
6316	Table 1	Hs 328348	3 AW338115	683474	1 tp39g05.x1 cDNA, 3' end	-1	GGCGTTTCCCATTGACCAGTTTGACC
- /-					/clone=IMAGE:2190200 /clone_end=3'		CTGGTTTGAATAAAGAGAAGTGCG

Table 8

6317	Table 1	Hs.337986	AW440517		Homo sapiens, clone MGC.17431 IMAGE:2984883, mRNA, complete cds	-1	GCCAGTCTCTATGTGTCTTAATCCCT TGTCCTTCATTAAAAGCAAAACTA
6318	Table 1	Hs.250	AW444632		/cds=(1336,1494) xanthene dehydrogenase (XDH), mRNA /cds=(81,4082)	-1	TGCAATGAGGCAGTGGGGTAAGGTT AAATCCTCTAACCGTCTTTGAATCA
6319	Table 2	Hs 335815	AW444812	6986574	UI-H-BI3-ajy-d-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2733380 /clone_end=3'	-1	TGGCAACTTCAACTCCTTGATGGCGA TAATCTCTGGTATGAATATGAGCC
6320	Table 1	Hs 342873	AW451293	6992069	RC3-HT0230-130100-014-g06 cDNA	-1	TGCTTGGGAAATTTGGTTTGTAAACC TAAAATAGCCCTTATTTCTGGGGA
6321	Table 1	Hs.342735	AW452096	6992953	UI-H-BI3-alo-d-02-0-UI s1 cDNA, 3' end /clone=IMAGE 3068186	-1	CTTTCTGCCTGAAGCTGCCCCCATGA CTCCCTTCTTTGTGCAAAAGCATG
6322	Table 1	Hs 80618	AW510795	7148873	hypothetical protein (FLJ20015), mRNA /cds=(31,522)	-1	ACCCAGTTTGTGCATAGTTCATGATC CTCTATAAAACCAGCTTTTGTGGA
6323	Table 1	Hs 259842	AW614193	7319379	cDNA FLJ11025 fis, clone PLACE1003968, moderately similar to 5'-AMP-ACTIVATED PROTEIN KINASE, GAMMA-1 SUBUNIT	-1	ACACCATTTCAGCGTTGGATCACAGA CAGCTCTTCCTTTATATCCCAGCA
6324	Table 1	Hs.334437	AW778778	7793371	hypothetical protein MGC4248 (MGC4248), mRNA /cds=(70,720)	-1	TGGCATAATGTTGGATTGAATCTACA TTTTGGCAGAAGTTAAACATTCCC
6325	Table 1	Hs.151393	AW778854	7793457	glutamate-cysteine ligase, catalytic subunit (GCLC), mRNA /cds=(92,2005)	-1	AGAATGCCTGGTTTTCGTTTTGCAATT TGCTTGTGTAAATCAGGTTGTAAA
6326	Table 1	Hs.120243	BE044364	8361417	gamma-parvin (PARVG), mRNA /cds=(0,995)	-1	ATCGTTGGATTATCTTTGAACCCCCT TGTGTGGATCATTTTGAGCCGCCT
6327	Table 1	Hs.5734	BE218938	8906256	meningioma expressed antigen 5 (hyaluronidase) (MGEA5), mRNA /cds=(395,3145)	-1	ATACAGGGTTCCATCCAGAAAGCATT CAGTCAGAGCAAGTTAAAGTCAGT
6328	Table 1	Hs.167988	BE222301	8909619	neural cell adhesion molecule 1 (NCAM1), mRNA /cds=(201,2747)	-1	AAGTTGTCCTGTGCTAAAGCAAGCGT GGGATGATCCTACCTACCTCTAGG
6329	Table 1	Hs.27774	BE348809	9260662	602386841F1 cDNA, 5' end /clone=IMAGE:4515730 /clone_end=5'	-1	AGCTAGTGATGTTTTGTCCAAAGGAA GATTCTGACAACAGCTTCAGCAGA
6330	Table 1	NA	BE348955	9260808	hs91h01.x1 NCI_CGAP_Kid13 cDNA clone IMAGE:3144625 3', mRNA	-1	ACACAGACATATTGACCGCACACAAC ACTGAAATGGACTGACTTGAGAAA
6331	Table 1	Hs.56156	BE349148	9261087	601463367F1 cDNA, 5' end /clone=IMAGE:3866512 /clone_end=5'	-1	TGGTTCTCTGATTTGTAATGAGCACC TGGATATGTCAATTAAAATGCCCA
6332	Table 1	Hs.127428	BE466500	9512198		-1	GGCCTACTGACCAAATTGTTGTGTTG AGATGATATTTAACTTTTTGCCAA
6333	Table 1	Hs.122575	BE502246	9704654	mRNA, complete cds /cds=(62,880)	-1	CGATAGAATTGAAGCAGTCCACGGG GAGGGGATGATACAAGGAGTAAACC
6334	Table 1	Hs.197766	BE502992	9705400		-1	CTCAAACGAAATTGGGCAGGCCATTT GCGTGGTTTCTCTGGATAAGTTCC
6335	Table 1	Hs.61426	BE550944	9792636		-1	GCACATGACAGTAAGCGAGGTTTTGG GTAAATATAGATGAGGATGCCTAT
6336	Table 1	Hs.122655	BE551867	9793559	hypothetical protein MGC14425 (MGC14425), mRNA /cds=(318,686)	-1	ACACAGGAACCGCTTACCCACCAGCT CTGCCCGCGTCTCTACCGCCATAG
6337	Table 1	Hs.4310	BE614297	9895894		-1	ACAACTCAAGTGAAAAGATGTCTCCA GTTTCTGAAGATAACGCACGCTGA
6338	Table 1	Hs.341573	BE646470	9970781	tc38c11.x1 cDNA, 3' end /clone=IMAGE:2066900 /clone_end=3'	-1	AAAACACTCCACCTAAAAGCAGGAAA GATGGCAATTCTAAATAGCAGCTA
6339	Table 1	Hs.88845	BE674685	10035307	AV733781 cDNA, 5' end	-1	CGCCGCTCCTGGAGACCTGATAACTT AGGCTTGAAATAATTGACTTGTCT
6340	Table 1	Hs.181015	BE676054	10036595	transcription 6, interleukin-4 induced	-1	ATCCCATTCTCCCTCTCAAGGCAGGG GTCATAGATCCTAAGCCATAAAAT
6341	Table 1	Hs.108327	BF001438	10701713	(STAT6), mRNA /cds=(165,2708) damage-specific DNA binding protein 1 (127kD) (DDB1), mRNA	-1	ACAGCATGAGAAACTGTTAGTACGCA TACCTCAGTTCAAACCTTTAGGGA
6342	Table 1	NA	BF056055	10809951	7k07h12.x1 NCI_CGAP_GC6 cDNA clone IMAGE:3443950 3' similar to	-1	CACAATGCTGCCTCCTCTGTGGATGA CTGATGGCAAGAGTCTGAATTGAA
6343	Table 1	Hs.43857	BF058599	1081249	contains element L1 repetitive eleme 5 mRNA for KIAA1247 protein, partial cds /cds=(285,2942)	-1	TAAGAAATCCCAATTTTCAGGAGTGG TGGTGTCAATAAACGCTCTGTGGC
6344	Table 1	Hs 144583	3 BF059133	10813029	Homo sapiens, clone IMAGE:3462401, mRNA, partial cds /cds=(0,153)	-1	CGGCAGGGTGGCCTGTAACAATTTCA GTTTTCGCAGAACATTCAGGTATT
6345	Table 1	Hs.144519	9 BF061421	1082033	1 T-cell leukemia/lymphoma 6 (TCL6), transcript variant TCL6a2, mRNA /cds=(1767,2192)	-1	GCTGGAGGGAGAGGCACTGGGGAAT TTTTCCTGGTGAATACTGAAGTTAC
6346	Table 1	Hs.96566	BF194880	1108116	/cus=(1701,2192) 5 602137338F1 cDNA, 5' end /clone=IMAGE:4274048 /clone_end=5'	-1	TGATACTTTGGTTCTCTTTCCTGCTCA GGTCCCTTCATTTGTACTTTGGA
6347	7 Table 1	Hs.11158	3 BF197608	1108685	5 602365742F1 cDNA, 5' end	-1	ACTGCCAGTGAAGACTGTAAAGACAG AACACACTATTTTGGAGGGAGGAT
6348	3 Table 2	NA	BF197762	1108716	/clone=IMAGE:4473923 /clone_end=5' 9	-1	AGGAAGAGCCTGCACCTGTGGTGGA ACAATCAGGGAAAAGGAAGTCAAAA
6349	Table 2	Hs 50785	BF221780	1112895	clone IMAGE:3653139 3', mRNA SEC22, vesicle trafficking protein (S. cerevisiae)-like 1 (SEC22L1), mRNA	-1	TTTGGAGCTTCTATAGGAGTGGAGAG GGGCAGCTCATTGTTGAGAGTTGC
					/cds=(119,766)		

6350	Table 1	Hs 250811	BF432643	11444806	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding	-1	TGATCTGACTGGAAAACAATCCTGTA TCCCCTCCCAAAGAATCATGGGCT
6351	Table 1	Hs 293476	BF435621	11447923	protein) (RALB), mRNA /cds=(170,790) hypothetical protein FKSG44	-1	CGTTTTCTGAGCATCCGTTGTGCCTT AACATTTTCTGCTTGTCCTTTGGG
6352	Table 1	Hs.174104	BF445405	11510543	(FKSG44), mRNA /cds=(126,1520) 601438710F1 cDNA, 5' end /clone=IMAGE.3923643 /clone_end=5'	-1	ACTGCTGTTGCATGAATAGATGATAC AAAGCAAGTGATGAGGTTGGTATG
6353	Table 1	Hs 295726	BF447885	11513023	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	-1	AGTGAAAACTGGTACAGTGTTCTGCT TGATTTACAACATGTAACTTGTGA
6354	Table 1	Hs 181311	BF478238	11549065	(ITGAV), mRNA /cds=(41,3187) asparaginyl-tRNA synthetase (NARS), mRNA /cds=(73,1719)	-1	TGTCCTCTGAACCTGAGTGAAGAAAT ATACTCTGTCCTTTGTACCTGCGT
6355	Table 1	Hs 179703	BF507849	11591147	tripartite motif protein 14 (TRIM14), mRNA /cds=(10,1230)	-1	CCATTTCCACTACATGCCTTTCCTAC CTTCCCTTCACAACCAATCAAGTG
6356	Table 1	Hs.300870	BF513602	11598781	mRNA; cDNA DKFZp547M072 (from clone DKFZp547M072)	-1	AATACAGATTCATTTTATTTAAGCGTC CGTGGCACCGACAGGGACCCCAG
6357	Table 1	Hs.283022	BF514341	11599520	triggering receptor expressed on myeloid cells 1 (TREM1), mRNA	-1	GCCTCTTTTCCTGTATCACACAAGGG TCAGGGATGGTGGAGTAAAAGCTC
6358	Table 1	Hs.146065	BF591040	11683364	AL580165 cDNA /clone=CS0DJ005YB18-(3-prime)	-1	CTGGGGCCGTAGCAAAAATCATGAAA AACACTTCAACGTGTCCTTTCAAT
6359	Table 1	Hs.170577	BF725383	12041294	602574255F1 cDNA, 5' end /clone=IMAGE:4702644 /clone_end=5'	-1	CAGACCTGTGGGCTGATTCCAGACT GAGAGTTGAAGTTTTGTGTGCATCA
6360	Table 1	Hs.104640	BF726114	12042025	HIV-1 inducer of short transcripts binding protein (FBI1), mRNA	-1	AAGGCAACCAACCACATTAGAAGTCT TGGCACTTTGTAACGGAACGG
6361	Table 1	Hs.296317	BF938959	12356279		-1	GAAGTGACACTGACTGTATCTACCTC TCCTTTTCTTCATCAGGTGTTCCT
6362	Table 1	Hs.26136	BF940103	12357423	hypothetical protein MGC14156 (MGC14156), mRNA /cds=(82,426)	-1	AATTCCAAAGGAGTGATGTTGGAATA GTCCCTCTAAGGGAGAGAAATGCA
6363	Table 1	Hs 133372	BF940291	12357611		-1	AGCCCCTCCACCCCACCCAGTACTTT TACAATGTGTTATTAAAGACCCCT
6364	Table 1	Hs.304900	BF980139	12347354	602288147F1 cDNA, 5' end /clone=IMAGE:4373963 /clone_end=5'	-1	CCATCCTTGAGAAATGTGGGCACCAA GTCCATAATCTCCATAAATCCAAT
6365	Table 1	Hs.8258	BG054966	12512220	cDNA FLJ14737 fis, clone NT2RP3002273, weakly similar to	-1	TATGAGTTTATGCGTTTTCCCAGCCC TCCGAATCACTGACTGGGGCGTTT
6366	Table 1	Hs.5122	BG058599	12525258	SCD6 PROTEIN /cds=(77,1468) 602293015F1 cDNA, 5' end /clone=IMAGE:4387778 /clone_end=5'	-1	AGTTGGAGCTATCTGTGCAGCAGTTT CTCTACAGTTGTGCATAAATGTTT
6367	Table 2	Hs.89104	BG058739	12525527		-1	CGTGGGAGGATGACAAAGAAGCATG AGTCACCCTGCTGGATAAACTTAGA
6368	Table 1	Hs.166982	BG149747	12661777		-1	GTGGTTTGGTCAGCATACACACTTCT CATTTCATTTGATGTACACAGCCA
6369	Table 1	Hs.184456	BG230563	12725596		-1	GTGTGAAGTGACAGCCTTGTGTGTGA TGTTTTCTGCCTTCCCCAAGTTTG
6370	Table 1	Hs.3353	BG236015	12749862		-1	GTCTTTCCCGTCTTTCTTCCTCACCTA TGTAATTTCAGTAGTCTCTCAGC
6371	Table 1	Hs.83623	BG654774	1379218		-1	TGTTTCGTAAATTAAATAGGTCTGGC CCAGAAGACCCACTCAATTGCCTT
6372	Table 1	Hs.109007	BG655723	1379313	2 602342214F1 cDNA, 5' end /clone=IMAGE:4452602 /clone_end=5'	-1	GTGGAAATCAGCACACCACCACAATG ACATTTAAGCACAGGATCATTATT
6373	Table 1	Hs.14453	BG744911	1405556	4 interferon consensus sequence binding protein 1 (ICSBP1), mRNA	-1	AGAATGGCAGACCTGTTTGCTGAAGT GTTCATAAGATAACAATAGGCTTG
6374	Table 1	Hs.2730	BI084548	1450287	heterogeneous nuclear ribonucleoprotein L (HNRPL), mRNA	-1	TGGGATTTTGTTTTTAAGTCATTTGGT TTGGGGAGGACCTTGTTTATTTT
6375	Table 1	Hs.296356	BI085832	1450416	mRNA; cDNA DKFZp434M162 (from clone DKFZp434M162)	-1	TGGACAAACTGACAGGGACTGCTTTG AAAGACAGGTACTCAGTTGAGTAT
6376	Table 1	Hs 132911	N20190	112514	5 MR2-OT0079-290500-007-b03 cDNA	-1	AAGCCTGTTTTTCACTCTAAAAATTCA AGAGGACACGCTAAGAACGATCA
6377	Table 1	Hs.334731	N58136	120202	6 Homo sapiens, clone IMAGE:3448306, mRNA, partial cds /cds=(0,2353)	-1	AGGTTCCCTTTCAAATAAAGATAAAG AATTTGACTTGGGACACTGCCAGA
6378	Table 1	Hs 303018	N94511	126682	0 zb80g04.s1 cDNA, 3' end /clone=IMAGE:309942 /clone_end=3'	-1	CTGTTCGAAAGTTGGAGACTGCCTGT ACCCAGGTTGATAGTCAATTGTTT
6379	Table 1	NA	W68708	137758	8 zd35h04.s1 Soares_fetal_heart_NbHH19W cDNA	-1	AGCAGAGTTAAGTTTAAATTTCCATTC TCACTAGTTTGTGACCTTTGCCA
6380	Table 1	NA	W86427	140019	clone IMAGE:342679 3', mRNA 4 zh61c11.s1 Soares_fetal_liver_spleen_1NFLS_S1 cDNA_conse_MAGE:416564 3', mRNA	-1	TGAGTATTGTTGTGGGGGCGGGTAT GTCTGTATATAAATCTGTGCAGCCA
6381	Table 3A	NA			sequence 36G5	1	CCCTTGCAGATACATGAGACAGGCA GGGGCTGGAGTCTTGTTCCATCCTG
6382	2 Table 3A	NA			36F11	1	GAGTAGTTGTCTTTCCTGGCACTAAC GTTGAGCTCGTGTACGCACTGAAG
6383	3 Table 1	NA			37G7	1	GAGTCCAATCTACACTCTAGTAGTGA AGACAGAAGAGTTGGCATACGAGT

6384	Table 1	NA	37G8	1	GGCTGAACTTACTCATTAAGCCACAT AACTTCGAGTCAAGTTCCAGTCCA
6385	Table 3A	Hs 197345	thyroid autoantigen 70kD (Ku antigen) (G22P1), mRNA /cds=(17,1846)	1	GCTCTCAAGCCTCCTCCAATAAAGCT CTATCGGGAAACAAATGAACCAGT
6386	Table 1	NA	40E4	1	AGGAATGCACACATTGCTCCAGGATC
6387	Table 3A	NA	41E9	1	ACTGTGAGGATTAAAGGAGATGGT AGTAACGGAACAGTTCCCAGTACTCC
6388	Table 3A	Hs 169476	Homo sapiens, glyceraldehyde-3- phosphate dehydrogenase, clone MGC:10926 IMAGE:3628129, mRNA, complete cds /cds=(2306,3313)	1	TGGTTCCTAGGTGAGCAGGTGATG GGTGTGAACCATGAGAAGTTCGACAA CAGCCTCAAGATCATCAGCAATGA
6389	Table 3A	NA	47E5	1	GGAGGTGTATAGGCTGGGATTTGAAA AGGAAAATAATCAGCGTGGTGCCA
6390	Table 2	NA	47D11	1	CCTAGACACCTGCATCAGTCAAGGTC ATGGATATTGGGAAGACAGC
6391	Table 1	NA	50A11	1	TCCAGCAGATATAGGAAGCAGTGTAT CTAAACAGACAAATAAAAAGGCCT
6392	Table 3A	Hs.132906	DNA sequence from clone RP11-404F10 on chromosome 1q23.1-24.1. Contains the 5' end of the SLAM gene for signaling lymphocytic activation molecule, a SET (SET translocation (myeloid leukemia-associated)) protein pseudogene, the CD48 gene for CD48 antigen (B-cell membrane protein), the gene for a novel LY9 (lymphocyte antigen 9) like protein and the 5' end of the LY9 gene. Contains ESTs, STSs	1	ATCTAGTGTACGAGACTTGGAGTCAG GCAGTGAGACTGGTGGGGCACGGG
6393	Table 1	NA	52B9	1	TGGTTTAATGGAAAATGCTCTGGAAA
6394	Table 1	NA	53B1	1	ATTCTTTTGCAACAGTTCATCGCT CACTAAAAGAGTGGGGAGGTGCAGC ACCTGGCTGGGGAACAAGAATATGG
6395	Table 1	NA	53E3	1	AAACGAATCACGTGCCTCGAAAGGG
6396	Table 1	NA .	53E10	1	ACATATATTGTTCCTTTAAGCATTT AAGGGTTCAATTTCTTCTTTGGAAGG
6397	Table 2	NA NA	53G7	1	TGATGGTAAGGGTGTGGCTCCAGA TGGACAATTCCAAGTCCAAGAGGACT
6398	Table 1	NA NA	54F4	1	GTCTACTTTCGACCTTGTGTGATT TTGTGTTAACCTGTTGTCCACGCTAA
	Table 1	NA NA	54G9	1	GATACAAACTTCCCGGAGGAAAGT TGTCACAGTGTTCTATTATTTGCCCG
					GTTCTTAAAGTGAGAGCATCCTGA
6400	Table 1	NA	59G1	1	ACAATGATATTGATGAGGCACCCAGT CTTTCATTTACTCTGAGTGAAGT
6401	Table 1	Hs.48320	mRNA for ring-IBR-ring domain containing protein Dorfin, complete cds /cds=(317,2833)	1	AGATCGAGATCTTCAGTCCTCTGCTT CATCTGTGAGCTTGCCTTCAGTCA
6402	Table 1	NA	60G8	1	GGCCAGAGACCCTAAGCTGCTTAATA CATTTATACCACATCCTTCTCAGC
6403	Table 2	NA	62C9	1	CCCTTGGAATTACTTGTTCAACTTCTT TCTTTCCCACTAGACGGGGACTT
6404	Table 3A	NA	62F11	1	CTTTGTAGATGCAGAGAGAGCTATA AGAAACCCCAGTACTTGCCGGGCG
6405	Table 1	NA	63E1	1	ACTGCCACATCTGACTTTACAGAATA ACCAATGTAAGTTAAAATAGAGAAAC AG
6406	Table 2	NA	65B1	1	AGTCTTGCGAGTCAACTCAGACTCAA ATGTAGAACTGGGAAGGACAGTGC
6407	Table 2	NA	65D10	1	AGCACTGTGCAGATGGCTTTAGAAGA TTCAGAACAGAAGCACAATCTGTT
6408	Table 2	NA	65D11	1	AGCACTGTGCAGATGGCTTTGGAAGA
6409	Table 2	NA	65D12	1	TTCAGAACAGAAGCACAATCTGTT CTATGGAGTCTTGGAGGACACTGGA GTCACCATGCTAACACTGTGCAGAT
6410	Table 1	NA	68C9	1	CCCTGTCACCCTTCGTGGCCAGTGC
6411	Table 1	NA	69F8	1	CAGACAGTAACTAGTGGATGCTAAA GAGAGAATAGGGTAGAGAGACCGGG ACTTGGGTAGAGATGACCGGGATTC
6412	Table 1	NA	69H11	1	AGTGGAAGCTAGGAGAAATATCGAAT
6413	Table 3A	NA	70B6	1	GTGTTAGGGACTTTGAAGTTACCA CTGCATCTCTCTTTACTACCAGTGATT ACAAAGTGGGGTTTGGTGGGAGT

6414	Table 3A	Hs 17109	integral membrane protein 2A (ITM2A),	1	TCTCTGACTTCTTATTACCAAGGACA
			mRNA /cds=(139,930) 72D4	1	CTCTATCTGTTGCCTCTTACTCTT CAGTTCCCAGATGTGCGTGTTGTGGT
6415	Table 2	NA			CCCCAAGTATCACCTTCCAATTTC
6416	Table 3A	Hs.234279	microtubule-associated protein, RP/EB family, member 1 (MAPRE1), mRNA /cds=(64,870)	1	AACGACCCTGTATTGCAGAAGATTGT AGACATTCTGTATGCCACAGATGA
6417	Table 2	NA	72D8	1	GGGTCCCGAGCCCTTCAAGAGCTAG ATTTACTCAAGTTTGTTCCCTTGCC
6418	Table 1	NA	73C4	1	CACTGAAGCCAAACCACAGAAGACTT
			73H4	1	TTGAGAATGAGGAGACAAATGAGT AGGTGAAAATTACTCTTCAGAAGATA
6419	Table 1	NA	7304		GCAGAGTGGATAATGGCCCATCGA
6420	Table 2	NA	73A7	1	TGCAGTGAGACTACATTTCTGTCTAA AGAAGATGTGTGAGTTCCGTCCTT
6421	Table 3A	Hs.174228	small inducible cytokine subfamily C,	1	TCCAGCCAGCCAGCTCATTTCACTTT ACACCCTCATGGACTGGGATTATA
6422	Table 3A	Hs.3945	member 2 (SCYC2), mRNA CGI-107 protein (LOC51012), mRNA	1	TTTCATACATTGGAACTCCACCTGAC
0422			/cds=(84,719)	1	TTTGGACCAACCCCAGAACAGAGC AGCACCGGAATACAAAAATGATACTA
6423	Table 1	NA	75A2		TGCTGCCCTCCTAGATCTCAGGGA
6424	Table 3A	Hs 249495	heterogeneous nuclear ribonucleoprotein A1 (HNRPA1), transcript variant 2, mRNA	1	TGCCCATACACATGAGTATTTGTCTA AAACATGTCTTCTTTGTAGCAGCT
6425	Table 2	NA	75B12	1	GCAAATCTAAACTGCAGGAAAATTTT TGCACCCGAAGTATTCAGATCCCT
6426	Table 2	Hs 205442	601439689F1 cDNA, 5' end	1	GGCCCAGTGCTAATGTAACCAATGAT
0420	Table 2		/clone=IMAGE:3924407 /clone_end=5'	1	GCCATGTCGATATTGGAAACCATA GGGGAAGAACAAGATAATCTAGTGAC
6427	Table 3A	NA	101G7	•	CTCACCACAGTCTATGCCCAGGCC
6428	Table 3A	Hs.179565	minichromosome maintenance deficient (S. cerevisiae) 3 (MCM3), mRNA /cds=(44,2470)	1	AATTCAACTGAAGGCGAGGAATGTTG GTGATGAAGCTGAGATCAGGACTC
6429	Table 1	Hs.119640	hBKLF for basic kruppel like factor (LOC51274), mRNA /cds=(55,1092)	1	CACCTATATCGAAAGTTTGGGCTCAT CTCCCATTGGTGGCAAAGACCTCC
6430	Table 3A	Hs.215595	guanine nucleotide binding protein (G protein), beta polypeptide 1 (GNB1),	1	TGGTGGAAAAGTGTGTCTGTCTGACA ATTACACTCAAGTTTACCTCTGGT
6431	Table 1	NA	mRNA /cds=(280,1302) 105A10	1	ACGATAATACTGTTGGTTACTGCCAT AAATATTGGAAGCTAATGTAAAATGC
6422	Table 1	NA	107G11	1	A TTCTCTTATAAAGGACAGCAAGTTTAA
6432	Table T			1	AATGGAGCAAGGAGCATTGGAAA TGGCCAAAGAATAGAAGCTCTAGACC
6433	Table 1	NA	107H8	,	TTCCTTATTTCTATCGTGAAAACA
6434	Table 3A	Hs.64239	DNA sequence from clone RP5- 1174N9 on chromosome 1p34.1-35.3. Contains the gene for a novel protein with IBR domain, a (pseudo?) gene for a novel protein similar to MT1E (metallothionein 1E (functional)), ESTs, STSs, GSSs and two putative CpG	1	ACATGACCTGTGCAGTGTGTGGCTGT GAATTCTGTTGGCTTTGTATGAAA
6435	Table 1	NA	109H9	1	TGACATAACTACCATCCCTGCAACTA ATGAACCCACCCTCACAGCTTCCT
6436	Table 3A	Hs.80261	enhancer of filamentation 1 (cas-like docking; Crk-associated substrate	1	GAATGACATAAACCCCCTCCGGTCTG AGGTCCGGCCTTCCAGCTTGTCTC
6437	' Table 3A	Hs.1422	related) (HEF1), mRNA Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog (FGR),	1	GCCTTTCTCACTCCATCCCCACCCAA AGTGCTCAGACCTTGTCTAGTTAT
6438	3 Table 3A	Hs 333114	mRNA /cds=(147,1736) AV713318 cDNA, 5' end	1	TCGTTTTACAACGTCGTGACTGGGAA
6439		NA	/clone=DCAAAC09 /clone_end=5' 129A12	1	AACCCTGGCGTTACCCAACTTAAT TGTTTTGTTTTCTGAAACGAAATCCTG
		NA NA	129F10	1	CTCTGTTGGCCCAGCTAGAACGC CAGAAGCTGGATGACGTTGCTCCATC
6440				1	TTCACTCTGTTAATGAGACATGAT CACATCTTCCATTCAGCCCTACCATG
644	1 Table 3A	NA	137D4		AAAACCGTACCTCGGGCGCGACCA
644	2 Table 1	NA	142F9	1	AATTTGCTTTAAATTGAGTTTCCTTGC CATTGCACACTCCTATCTTTCTG
644	3 Table 3A	Hs 250655	prothymosin, alpha (gene sequence 28) (PTMA), mRNA /cds=(155,487)	1	CAGATGACACGCGCTCTCCACCACC CAACCCAAACCATGAGAATTTGCAA
644	4 Table 3A	Hs.249495	heterogeneous nuclear ribonucleoprotein A1 (HNRPA1), transcript variant 2, mRNA	1	CCCATGCTGTTGATTGCTAAATGTAA CAGTCTGATCGTGACGCTGAATAA

6445	Table 1	NA	149G2	1	GACACAGACAGACCAAGCTATAGTCA
6446	Table 1	NA	149A11	1	GACCTGGTTACACACATACACACA TGGCAAAGATCACTGAAATTTAGGAC
6447	Table 3A	NA	151F11	1	ACCAAAGCTAAAACCCCAAATGCT GCTTGTGCTCGAGACCGCTTGCTATA
6448	Table 1	NA	162E8	1	GAAACGCTGAGCTGCTGGTTTATG CTGGTTAAAAGCCCCATTACTGACCT
6449	Table 3A	Hs 334330	calmodulin 3 (phosphorylase kinase,	1	TCGCCGCCACCACGCCTATCACTA GCATCCACCTCCTTCTCTGTCTCATG
6450	Table 1	NA	delta) (CALM3), mRNA /cds=(123,581) 170F7	1	TGTGCTCTTCTTCTTCTACAGTA TTAAATCTATCAAGAATTCATCCAAAT
6451	Table 2	NA	170F9	1	TGGTACCCTGCCGGGCCGCCTCG AGTGCTGTATTGACTTTGCTCGGCAG TAGATGAAGCTATTCTGAACCCAA
6452	Table 3A	NA	177A3	1	TGCTGGACAAAGACAATGAGATGATT ATTGGTGGTGGGGATGGCTGTTACC
6453	Table 1	NA	331A3	1	GTGGAAAAGTCACTACCAGGCTGGC AGGGAATGGGGCAATCTATTCATAC
6454	Table 1	NA	331A5	1	AAGGGACAGGGAGCGGGCACAAAAT AAAACTTAGTTTGGTAGAAATTATA
6455	Table 3A	NA	146C3	1	TCAAAGCACTGGAGATGAGAGCCAG GATGGACCCGAAAAGAATTTTACAG
6456	Table 1	NA	146D8	1	CAGGAACATGGCTGCAGCATATAAAA AGAATTGAATTCCATACTTTTGTTAAC CCT
6457	Table 3A	Hs.153	ribosomal protein L7 (RPL7), mRNA	1	TTGCCATAACCACGCTTGTAGATTAG
6458	Table 1	NA	/cds=(10,756) 158G6	1	TTCATTTACTGACTTCAGATTGGG TTACAGGCAACCGGAGCATCCAATCA
6459	Table 1	NA	158H6	1	CCTTTCTCTAAGAGAGTACCTCGG AAAAGCATCTTCGAGAGGGACTGTCA
6460	Table 3A	Hs.119598	ribosomal protein L3 (RPL3), mRNA	1	ATTCTCGACTATTTTCCAACCCGC AAGAAGGAGCTTAATGCCAGGAACA
6461	Table 1	NA	/cds=(6,1217) 158E9	1	GATTTTGCAGTTGGTGGGGTCTCAA AGAGACACCTAAATTACAGATTTGTG
6462	Table 3A	Hs.326249	ribosomal protein L22 (RPL22), mRNA	1	AGCTGAGAGCTGGAGTTTTTCATT AACAGCAAAGAGAGTTACGAATTACG TTACTTCCAGATTAACCAGGACGA
6463	Table 3A	Hs.297753	/cds=(51,437) vimentin (VIM), mRNA /cds=(122,1522)	1	AGCGCAAGATAGATTTGGAATAGGAA TAAGCTCTAGTTCTTAACAACCGA
6464	Table 3A	NA	155H10	1	GCATGGACAAGATGCCAAGGCCCGG ATGCTTTAGGATGAAGTTCTTATCT
6465	Table 3A	Hs.108124	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	1	CCTCCAGTCACCATACACAGGTTACC AGTGTCGAACTTGATGAAATCAGT
6466	Table 1	NA	159F6	1	CCAAACATCTGGACTTGTGACTGTAA AAGGGGAGGAGGTAGCCAATGATT
6467	Table 3A	NA	166F3	1	TTATGGTGGTCGGGGTGGGTAG TTCAATGGGAGGTATGGGATTTATT
6468	Table 1	NA	166F6	1	AGCTGTCTGGCTCAAAGATCTACATT CTGAAGTTGGCTGGAAATGTCTTG
6469	Table 1	Hs 8121	Notch (Drosophila) homolog 2 (NOTCH2), mRNA /cds≈(12,7427)	1	CTGGTTCCTACCAGTGCCAGTGCCTT CAGGGCTTCACAGGCCAGTACCTC
6470	Table 2	Hs.25130	cDNA FLJ14923 fis, clone PLACE1008244, weakly similar to VEGETATIBLE INCOMPATIBILITY	1	TGACACAGACTGTTTCAATCTTGGAG CAGCGACTGACTTTGACAGAAGAT
6471	Table 1	NA	PROTEIN HET-E-1 /cds=UNKNOWN 168A9	1	TGCTATTTAAAGCACCATGATAAATAT
6472	Table 1	NA	171F11	1	GAGGCCACTTGGAAATCCATCCA GCAGGCGATGCTCTATAATCTAAAAT
6473	Table 3A	NA	171G11	1	GTATCTCTCTTTCCCTAAGCTGAA AAGTAAGACCACCTGTGAACTTGATC
6474	Table 1	NA	175D1	1	ATTATCTGGCGCACATAGGAAGAT GCTGGGGCTGGGAATTGCGTGGGCT
6475	Table 1	NA	182H1	1	AATGTGTCATTTGACTTAAGAAACT TTTGGGAAGAACCGATTGCTAAATTA
6476	Table 3A	NA	184B5	1	TGCCTAATTCATGTCAGAAGAGGG AAGCAGTATACCATTTATATAGCAAA
6477	Table 3A	NA	184D2	1	CAGCCAGTGGCCAGTTCACTGTAT CTGCCCTTTGGTAGTGAGAGGACCA CGCCAATGATGCTTTTAAGTAACCT
6478	Table 1	NA	184H1	1	CATTTCTTCATCTCTAAGGCACACTT GCTACCCCTCTTTGCTGACCCCAG
6479	Table 1	NA	46D1	1	GCTGCGTGTCTGTCTCAGTGTTTCC TGGTCCTCCTCTAAGTACTCTAAA
6480	Table 1	NA	98C1	1	AATCCTAGACATGTGCTTGTCATTGC TCCCATGAAGGTAGTTTTCAAACA

	6481	Table 1	NA	98C3	1	ACCAATAGAGAAGAAGCTCTAGAAGA CAAAATCCCAAACCTTGGCACAAA
	6482	Table 2	Hs 205442	601439689F1 cDNA, 5' end	1	GGCTTCAACAGAAACATCAAATGCCA
	6483	Table 1	NA	/clone=IMAGE 3924407 /clone_end=5' 98H4	1	AGACCAGTGAGAGAGCGTCAAAAA GCAAGCCCACTAAAATAAACATCTAA
				GLE1 (yeast homolog)-like, RNA	1	CCAGCATCTTTCCCCCATTATAGG ATGGATCTGTTCCTCTGTGCTAAATG
	6484	Table 1	Hs 169363	export mediator (GLE1L), mRNA		TCTTGTGGCAGGGTGTGTTTGTGG GCCGTAATGTCTCGGGATCTCTAATA
	6485	Table 3A	NA	113F12	1	ATAGAGGAGGTGAGTTGTGGTGTC
	6486	Table 1	Hs.30212	thyroid receptor interacting protein 15 (TRIP15), mRNA /cds=(15,1346)	1	AGGCACTCCTCAACCAGTGTTCACTG AATTCAACTGCTGAAATTGTAACA
	6487	Table 3A	NA	173A10	1	AGAGAGGGTTTTAAGGGAGGGCTTG TGAATACTTGGGAGAATACGGAAGG
	6488	Table 3A	Hs.334853	hypothetical protein FLJ23544	1	ATGAATTTGAAGACATGGTGGCTGAA
	6489	Table 3A	Hs.20252	(FLJ23544), mRNA /cds=(125,517) DNA sequence from clone RP4-	1	AAGCGGCTCATCCCAGATGGCTGT TTCCACAGATAGGTAAGCCAGGCGC
				646B12 on chromosome 1q42.11-42.3. Contains an FTH1 (ferntin, heavy polypeptide 1) (FTHL6) pseudogene, the gene for a novel Ras family protein, ESTs, STSs, GSSs and a putative CpG		GGCAAGATGAGACTGTATTCAGTTA
١,	6490	Table 1	NA	174D1	1	TCTTGTCCTAGTCATTGTGGCAACCC
	6491	Table 1	NA	45B9	1	CATCTGACACCTTGTGTAGTACCT TTCTGGCAAGCTCTTGTCATGGTGTT
		Table 1	NA	45H8	1	CGACACTTCCTTCTGTCTTCTTGG TTTCAACATGGCTAGATCCATCAGAA
	6492				1	ACTGAAGGCGGGGAGAAAGCTCTC GGTACTCAAAGGAAATTACTCTTTCT
1	6493	Table 1	NA	111H6		CTGGAACCCTGGCAGAAAGTTTTA
	6494	Table 1	NA	111E12	1	ATCCTTCCTACCTTTTATTATGAAAGT TTTGGTACCTGGCCCGGCGAGCG
	6495	Table 1	NA	111H11	1	ATTAAGGTTTTTAACATCTACTTTGGG TGATGGAGCCTTCAATGAAGTCA
	6496	Table 1	NA	112H3	1	GAAAGACTACGAATTTCGCTGGGAG GTAATAGGGAAGCCTTCCACATAAA
i 1	6497	Table 1	NA	112E9	1	AAATGAGGTCAGCAATAACCTTGATT CGGTCCTCCACTGGCAACATTTTA
,	6498	Table 1	NA	114G3	1	CTTCTCCCTGTAACCAGGCAGTGT GTGGGCGGGGCTCAGAACATATCT
	6499	Table 1	NA	117H6	1	GTTGCCCTGATCTGGAAATCCTGTTG
	6500	Table 1	NA	165E7	1	CTTCTTCTGGGATGAAGGAACCTC TAAGATAACCCACAGGCACTTCCTGT
	6501		NA	165E11	1	CATAAAGCCAACGACACAGACCAG ATGGGAACAGGATGTTAAATACACAC
				165F7	1	ATACATACGCACACAAGCGTTGGG CCTCTGCTATCACTAGAGAATGTAGA
	6502		NA		1	GAATGGAAATGGCTGCCTTTATGC GATACAGATGTGATTATTCAGCCTCA
	6503	Table 1	NA	176A6		AGGGGACTTCTCCATTGCGTAACG
	6504	Table 1	NA	176G2	1	TTATTGTTACCAATTAGAATCAGCAAT TCAACTGTGCGGTGATTTGGCCT
	6505	Table 1	NA	176E10	1	TCATCACTTGGGTTAACTAAAGGTTT GCGTATCACACAATTACACTACAA
	6506	Table 3A	NA	176F11	1	TTCATAGTCAAACAAAAGGTAAGATC ATGCATATACCCACGGCAACAAGG
	6507	Table 1	Hs.232400	heterogeneous nuclear ribonucleoprotein A2/B1 (HNRPA2B1),	1	CCCACCCCTTCCCCTCCATGTGAAG ATTTGGGTGCTTAACATATCATTT
	6508	Table 1	NA	transcript variant B1, mRNA 71F2	1	GGGAGACATGCTGATTCCACTCAAAG
	6509	Table 1	Hs.172028	a disintegrin and metalloproteinase	1	ATCTCATAATAAACAGCTTTGGCC AAATAAATTTGGAATGGGACATTGTG
		Table 1	Hs.180610	domain 10 (ADAM10), mRNA splicing factor proline/glutamine rich	1	CTGTTTCACCTTCAATGCTGTTAA AGAACAGTCTTGGGTTCAGGGGTGT
	0010	, radio i		(polypyrimidine tract-binding protein- associated) (SFPQ), mRNA /cds=(85,2208)		GATGCCAGAATGTATTTTCGTACCT
	6511	Table 1	NA	124G4	1	AAGGCGAAGTCAATCCCATCTCCCTG AACCCAACTGCCAGTAGGTAGTTC
	6512	2 Table 1	NA	124C8	1	AGTTAAACTGTTGGTGAGGTAGTGTG
	6513	3 Table 1	NA	124F9	1	TCAGGTACTCTGTATATTAGCTCT ACTGGATAAACAGAACGGATCAAAGA
		Table 3A	NA	127A12	1	TAAAAGTATTCTTGTTGCCTGGGC GTCCCTTAGGGGAGGGAGAGTTGTC
	5514	, Table on				CTCTTTGCCCACAGTCTACCCTCAG

			145.5		
6515	Table 1	Hs.50180	601652275F1 cDNA, 5' end /clone=IMAGE:3935610 /clone_end=5'	1	ACTGGACTACTGAACTTTAGAATACT GTCCTAAGGAAATAGGTCTGGGCA
6516	Table 1	NA	161E8	1	CAAACAACAAAAGTGGCCTCCATCGC TGTGAGCCTCTCAAGGGACAGGGC
6517	Table 1	NA	186E8	1	AAGGTGGCTGGCTTTTATGATACAGT GGTGGTAATGTAGCCCTTTTTGGT
6518	Table 2	NA	191F6	1	TGCTCAATTGCCATACATGCACTATA GGCCGGGATAGAAAATCGTCAGCT
6519	Table 3A	NA	193G3	1	TTCAAGGATGTGACTGATATCTGGTG TGGTTTATTTTGTTTTG
6520	Table 1	NA	194C2	1	AGCTTTGGAAATTTGAACAAGGTGGG GACAAAATCAGGCAATAACAGACT
6521	db mining	NA	458C6	1	CACTTCCTGAGTGTTTCCTGAGAACA AAGGATCAGAGCTTCGGCTGTGAG
6522	Table 1	NA	458E4	1	TTTTCCTTTTCGCTGACTTTCCCACTC ACTGTCTGTCTCTCATTTTCTCT
6523	Table 1	NA	458G10	1	GCATGGGAATTGGCTGTCATCACTCA TAGCACGGTGTATAAACTCAAGGA
6524	Table 1	NA	459B3	1	GTCCACTCAAGTTACCTGGCTGTCTA TCTTTTGGCTGACCCCTGAAGCGA
6525	Table 1	NA	459D2	1	CTAAGTAAGCAAAGAGGCAGAGGGG AGGAGGGGAGTGTTTGGTACTGTCC
6526	Table 1	NA	459E6	1	TGGTGCGGTGTTCATGATTATTATGC AGGGTGGAAGTTCAGTATTTGGTC
6527 6528 6529 6530	Table 3A Table 1 Table 3A	NA NA NA	DNA sequence from cosmid ICK0721Q on chromosome 6. Contains a 60S Ribosomal Protein L35A LIKE pseudogene, a gene coding for a 60S Ribosomal Protein L12 LIKE protein in an intron of the HSET gene coding for a Kinesin related protein, the PHF1 (PHF2) gene coding for alternative splice products PHD finger proteins 1 and 2, the gene coding for five different alternatively spliced mRNAs coding for a protein similar to CYTA (CYCY) and identical to a polypeptide coded for by a known patented cDNA, and the first two exons of the gene coding for the homolog of the rat synaptic ras GTPaseactivating protein p135 SynGAP. Contains three predicted CpG Islands, 460D5	1 1 1 1	AGAACAACACGGGATTGAAGTGGGA AGAGATGGGACCTCACTTGGATGGATGGGACCATAGATGGGACCATAGATGGATG
	Table 1	NA	461G6	1	GTGTCCTGGGGAGTGAGGAGAGGTG GAGTAGACTCTGAGAGGGAGTGAAAA
6532	Table 1	NA	461D9	1	AGATCATGTCTGGATTGTGTTTCCTA
6533	Table 3A	Hs.80768	chloride channel 7 (CLCN7), mRNA	1	TTACCTAGAGACGAACACAGATCT GTGTCCCAGGACGAGCGGGAGTGCA CCATGGACCTCTCCGAGTTCATGAA
6534	Table 1	NA	/cds=(38,2455) 461H7	1	TGTATGGCTTATAGCCAGAGATGAAA CAGAACCCAAGTTAATATTGCCAG
6535	Table 1	Hs 333513	small inducible cytokine subfamily E, member 1 (endothelial monocyte- activating) (SCYE1), mRNA	1	AGGTTTCAGAATCTGGGCCTTACCTT TACAGGTTCAACAAAAGAATGGCA
6536	Table 1	NA	463A5	1	AAGATGAGGCGTAGCTCATGTACAAA TGCAGCATTCTCATAAGTGCTTTA
6537	Table 1	NA	463B2	1	AGATAGTGGTATTTGGGTGCTGGGCT TGTCTGAACTGAGGAGGTGGGTGC
6538	Table 1	NA	463C5	1	CCTTGCACCAGAGACGACTGACATAT ATAGATGGGAGTCACTCATGCGCT
6539	Table 3A	Hs.40919	hypothetical protein FLJ14511 (FLJ14511), mRNA /cds=(22,1272)	1	GGTGTAGCGTGAAGATCTGGACAGC GCACTACGACCCGGGCCACTGTTTC
6540	Table 1	NA	463H5	1	AGAAGCAAACCTGTGAAGCTACTATC GTTTATCATCAGTGTGAATGCACT
6541	Table 1	NA	463A7	1	TAGTGATACAATTTGGGGTGCCAGAG GTTGGGGGTAAGGAATTTTGAAGC
6542	Table 1	NA	463B10	1	GTGTGGCCTAAGGAACACCTCTTGTG GGGAGTAAGAGCCAGCCCTTCCTC

			400.07	1	AGATGCGGGCGCAAGCTTATGTCCT
6543	Table 1	NA	463C7	•	GTTATGAGGGTTTAAATTAGATTGG
6544	Table 1	NA	463F10	1	TCATAACGCCCTTCAAAACATTGAAT
00				1	AAAATCAGTGCAAAACATTGAGCA TGAGAAAGGAGTTAGCAGAATATTAA
6545	Table 1	NA	464C2	'	CATACCGAGAAGCTGTTGTTAGCA
6546	Table 1	NA	464C5	1	CTGGAGACTCAGGTCGCTTAAGTGG
00.0				1	AGGGGACGGCACAGCCATTCCTCC AAAGACCTGCCACTTATTTTTGGCTC
6547	Table 1	NA	464C10	•	TCATCTGTACTCTTAAGTGTGTGT
6548	Table 1	NA	464D8	1	AGACACAGCTGCAGAAAACTTATTCT
0040	1000				TTTCAAGCATGCACAGTCACAAAA CATTCAACAACACAAACCGAGCACCT
6549	Table 1	Hs.221695	7k30d01.x1 cDNA, 3' end /clone=IMAGE:3476785 /clone_end=3'	1	ACTGTGTGCCACGCCACAGACAAG
6550	Table 1	NA	464E7	1	CCTAGGAAACACAGGTCAAAGAAACA
			1041140	1	CAGTCCAACATGTATTCAGAATTC AAACGCAATCTATTTTAGGTTTGAGAT
6551	Table 1	NA	464H12	ı	TAGAAGCTGAGGCCAAGGACTCA
6552	Table 2	NA	465B3	1	TCCTCCAGATGCATGGTCCGTGAAGA
			465G2	1	AATTTAATAGCAAAGACGAGAAGA GGCTCTCATGCTTATGCCACACATCC
6553	Table 1	NA	463G2	•	TTGATTCTGCTTAGGAGTCTCTGG
6554	Table 1	NA	465H5	1	AAGCCTGAGCTAACAAGAGCTGAGG ACAGTAGCTTATTCCTCTTTATGGG
	-	NA	465A12	1	TGGATGATGGGATTGGATAAGCATGT
6555	Table 1	NA	400A12		GGACTGGATTGTGTTACAAACTCT
6556	Table 1	NA	465F7	1	TGCTGTTTCTAGGATTAACACGAAAT CATCACTTTGCCATATTTTGAGCT
CEE7	Table 1	NA	465G8	1	GGCTCAGCACAAAAGAGAATTCGTAG
6557	rable i	INA.			CACTTTCATGTGAAAGCAGACCCA
6558	Table 1	NA	465H10	1	GATATTAAGGTACTTTCAGTACAAATC TGGTGCTGTGAGTGGGCTCATCC
6559	Table 3A	Hs.136309	DNA sequence from clone RP4-	1	TCCAGTTTCTCATAAACAAATTCTTCT
0339	Table 5A	113.100000	612B15 on chromosome 1p22 2-31.1.		ATCCTGGCATTTGGATTTGGGTT
			Contains the (possibly pseudo) gene for a novel protein similar to 60S ribosomal		
			protein L17 (RPL17), the gene for CGI-		
			61, endophilin B1 and KIAA0491, ESTs,		
	T 11: 4	, i	STSs, GSSs and two CpG islands 515C12	1	TCATGGTCATAGCTGTAACCTGTGTG
6560	Table 1	NA	313012	·	AAATAGTAATCAGATCAAAAAGCG
6561	Table 1	NA	515H10	1	ATATGTACCTGGAGGGCGGACGATC GAAATTACTAGTGAATTAGCGGCAG
CECO	Table 1	NA	55G3	1	TGCGAGTGTAATTTCTGTAAGGAGGG
6562	Table 1	NA .			TATGGGATAATTAATAGCACGCCT
6563	Table 1	NA	55F9	1	GCCCCAGCATTCAATTCATTTTGTA CCCTTAGTTTAAAGAACTTCTCCC
6564	Table 3A	NA	99E7	1	AACTTTGCTTTCTGAAGGTTTTGGTG
0504	Table 3A	NA .			TACCTCGGGCGCGAACACGCTAAT
6565	Table 1	Hs.319825	602021477F1 cDNA, 5' end /clone=IMAGE:4156915 /clone_end=5'	1	ATTGACTCCACTTTGTGCCAAGCTCT GCGGGTAGGCATATTTCATATCTT
6566	Table 1	Hs.17481	mRNA; cDNA DKFZp434G2415 (from	1	CAGTGGAGAAGCTGCACTGTCTCCG
0000	142.5		clone DKFZp434G2415)	1	GGCTTGTGTGATCCGATCTCTGTAC AGCTTTGAAAGTAATGTCTAACCCTG
6567	Table 1	NA	116C9	'	CTGTCAGTTTATCACAAGTGCATT
6568	Table 1	NA	128F5	1	AGCTTAATTGAATTGGAGGAGCACCG
			135F10	1	AACAGGCAGTTTCCTGAGCAGTGG GCTCTCACTGATCTCTCTCTCTATCT
6569	Table 1	NA	135F 10		CTTTCTGCAGTTATACCAGCACT
6570	Table 1	NA	189F3	1	TGAGAAGAGCTGTGAAGGCAGAGGC GGGGCAAGTGCAAAGGTCCTGACTT
					GGGGGAAG TOOAAAGO TOO TOO TOO TOO
657 ⁻	Table 1	NA	189A8	1	AACTCCCTGTTCAGTTCAGTTGCTAA
			4051340	1	TGATCTCAAGCTCTTCCCTGATTA CAGCCTAATGCCTAACCACACAGATA
6572	2 Table 1	NA	195H12		CCATTGGTGGGCGACGTGACCCAG
657	3 Table 1	Hs 292457	Homo sapiens, clone MGC.16362	1	CACCATCTTTTGCTCGGATACTAGCC
			IMAGE:3927795, mRNA, complete cds /cds=(498,635)		CGCAATACCCACTCACCTACCACC
657	4 Table 3A	NA	466C4	1	AGGGTCTCCACCTTACAGAAGTACAT
001				4	GAACAACCAGAGATAGCAGGGCTG ACCAGGAAAAGTAAAAATCATAGTTG
657	5 Table 1	NA	466D1	1	GTGTCTCGGGTTTCTCACCTTC
657	6 Table 1	NA	466G2	1	ATGTATGAGAGAGATTCGAGATGAGT
					TAAAGGAGGGAAGGGAGGGTGGT

6577	Table 1	NA	466H5	1	CATGAGTATTGGCACTGGGGTTCAAG TTCCAGGGCAGAGCAGGATAAGAG
6578	Table 1	NA	466B7	1	CTCCTGGGGCTGGAGTCCTGGTCTG
6579	Table 2	NA	466B10	1	CCTTCTGGGGACAGAGATTAGGTCG TGGAACTTCAGTCAAAAACATCTGTA CTTTGTACAGGACAAAGATTTGGC
6580	Table 1	NA	466C9	1	ATAGAACTTGTTTTACCTATGAGCCTT GCCTTGTATTTATTCACTGTGGC
6581	Table 1	Hs 7187	mRNA for KIAA1757 protein, partial	1	ACATCTCTTGTGAAAGTTCAAATGTTA
6582	Table 1	NA	cds /cds=(347,4576) 121F1	1	CAGCAAGGTGTAAACACTCCACT GGGTGAATTAATCGGGAGATGGGTA
6583	Table 1	NA	121A11	1	GTCAGGGCAAATGATGGGTGGGTTT TGCAATTGTGGAGACAAATTGTTAGA
6584	Table 3A	NA	121F8	1	GTTTAAATCCTGGCTCTGTTCCCT GGACCTATGTCCTCAAGACATGGAAA
6585	Table 1	NA	178B2	1	CTACTAGTTCTGTCGTGCCAGGAG AATTAAGGATGCCCTACCGACATCTA
6586	Table 3A	NA	178B5	1	TCAGCATACCTGGAACAGGTTCGA CGGCCAACCCAGGAGGGCAGGTGTT TTGGGCATCTGGTTTATAGTACCTC
6587	Table 1	NA	178F5	1	GCTGGGGTGAAAACTTGAAGACTCA
6588	Table 1	NA	178C12	1	GACCTCAGTGGAAACAGATGAATGT CCCCAGGCTCTGTGACGCTTGAAATT
6500	Table 1			1	CTAATTAGCGCAGAAAAGGGCTAA CCTGACTACGTGTTTTCCCCACAGAC
6589	rable r	NA	462A11	1	ATCACACTGGTTCACCTCGTTGAA
6590	Table 1	Hs.13231	od15d12.s1 cDNA /clone=IMAGE:1368023	1	AATGGAAAGACACTTCTGTATACACT GGAAATCTCAGGAAATTTCTTTTTTCC
6591	Table 1	NA	462D9	1	GACAGTACAGTACCCTAAGAGCACTG
					AGGAGGCCACCCACGTGAACTC
6592	Table 1	NA	462E8	1	TTTCCTTGGAGATTTCAGGCATCTTA GGCCGGAAGGGACCTCGAAGGTGG
6593	Table 1	NA	462F9	1	CTCCGCTTCTTTCACTCATTCGTTTAG TGTTTCTTTAAGCTTTGCCTTGT
6594	Table 1	NA	462F11	1	TCCACATTTTGATCATGCATTTATGAA AGCCCTGGGTTTGTTATTGAGAA
6595	Table 1	NA	462G12	1	GCTATCTTCTGCTGAATCAGCGTAAT GCTGATATACACCCTATTTTCTGT
6596	Table 1	NA	462H9	1	AAAAGAAAAGTTTTTCAACCCAGGGA ATTTATAGTGGGTGTCAGTCGAGA
6597	Table 1	NA	472B1	1	AGGAGACGATGTAGGGGGAAGTGTG TTAGATTGTAATGGAGGGGTTTGGA
6598	Table 1	NA	472C1	1	GCTCTTTCCCAGACCCAGCCGCCAG GTTCTCTGTAGAAGAAAATAAATGC
6599	Table 1	NA	472E6	1	AAGGAGGAATGGGAATCTCAAGCTCA AGGGCACTCTCACTAATTGTGGGT
6600	Table 1	NA	472F4	1	AAATAGCCACCTTCTCCCCATTTTCT GTCAGAACACACACTTTATATCCA
6601	Table 1	NA	472G2	1	TTTGGTAAAAGAGATTGGAGGGGACA
6602	Table 1	NA	472D7	1	CCAGGGAAACCAGGATTTTCTGGC AAGTGCTAAGGCATTCTCTAAACTAT CTTTCCAGCTCCGGGCGACAATGG
6603	Table 1	NA	472G12	1	CCACTCTCAAGTCAAGCGAGTCCTT CCTGCATACCTGTACTGGGTGCTG
6604	Table 1	Hs.75354	mRNA for KIAA0219 gene, partial cds	1	GGACTTTGCAGGCTTCATTCCCTGTC TGTGTCTTTTCCTTCTGGTGTGTT
6605	Table 2	NA	/cds=(0,7239) 64G9	1	ATTTGCTGGCCAATCCTGCTGACTAT
6606	Table 1	NA	467E5	1	GAATCTTTGGGGGCACTGAGTTAC CTGGGGTACTGGGGAAAAGGAACTG
6607	Table 1	NA	467A8	1	GTATTGAGATTTTATATTTTGGGGCG TTGAGTAAGGCTCAGAGTTGCAGATG AGGTGCAGAGAACATCCTGTGACT
6608	Table 1	NA	467C9	1	GGTCACAGAGAACATCCTGTGACT GGTCACAGAGAGAAATGGTAGCTGA AGAAGCAGGGCACGAGGGCTCTAAC
6609	Table 3A	NA	467F8	1	TTTCCGGTATATTCGTGTGGGTTGAC
					TTTTGTGTGTGTGGTTGTGGTGG
6610	Table 1	NA	468E6	1	GGATCTCTTGCTCCTCTCACCTGTGT GACAGACTACTAACAGCCCAACTG
6611	Table 1	NA	468B9	1	ACAGTGTGGGACAGAAGAGTGCTCA GTGATTAAATGCCTGATAATAGATT
6612	Table 1	NA	468E10	1	CTCTCTCGCAATTTACAACCGCTTTC AGTACCATTCACCGTCACTCCTCT

6613	Table 1	NA	468F10	1	CTTTGGGGAGTGGAGTTGTTGTAGAT
6614	Table 1	NA	468F11	1	GGGGAGAGAATCAGAACAAGGAGA CCTTACTGCTTACGGTCATCGGTCAT
0045			100010		CAGCCCAACCCGCTTGGTTAGGTG
66.12	Table 1	NA	468G12	1	AGAGTATAATTTCCCCAGTGTGGAGT GGTTAGTGTTGCTAAAGAAGAGGT
6616	Table 1	NA	468H11	1	CTGATGTCGTGTCTGCACTCACCTGG TCATGTGTTCTGTTGTGCGGTAGT
6617	Table 1	NA	469B6	1	AGGGCAGAGAAGAATCCACACTCA
6618	Table 1	NA	469D2	1	CAAGAGATGACCAGGAGTAAAACTG CCCAGCAGAGGCCAACAAGCAGCCA
					TACCCAAACTTCAGCCAAAATAAAA
6619	Table 1	NA	469A10	1	TGTGCAAATACGGCGAGAAGAAGTG CATGAGAAAGTGCTTTATAAGCTGT
6620	Table 1	NA	469E12	1	CCAGCTTTTCCTTTGATGTTAGTTAG
6621	Table 1	NA	469F8	1	CAGTAAGTCACAGGTTTGAGCCCC GGCACGCATCCTCATTCCTGCATGCT
6622	Table 1	NA	469G8	1	CTTAGAATATCTATCAATGATCAT ACTTCTATACTCAGTGCGCTGTGGGT
0022	Table I	NA	40900	•	AACCAAGCAAGCAGGTTTGTTGTC
6623	Table 1	NA	470B2	1	GCGGGATGGTGGGAAGACAGACACT GCCTTAGAGCATGAATAATTGAAGA
6624	Table 1	Hs.118174	tetratricopeptide repeat domain 3	1	AGGTAGACTATTTAGCTGGAAGCATC
CCOE	Toble 1	NA	(TTC3), mRNA /cds=(2082,7460)	1	CAAACAGGGGATTTTAAAAATACTCA
6625	Table 1	NA	470C3	1	AAAATGTAGGTTAAAACTCTCACTTAA GAAGGAGAAGATCTGAGTAAACCCA
6626	Table 1	NA	470D5	1	ACCTGAACAATGAATGAAGAAAGGAA
6627	Table 1	NA	470E1	1	GACTTGGTTCTTCTAGCTCTGGAC CATGGCTCACAAGCTCTAACACTCCC
					CTCCCTCCAGATCCTAAGAAGAAG
6628	Table 1	NA	470E5	1	TCTGAGCTTCACTTCAAGAACTGGTA GTCCAAAAGAACTGGTTCGTTCAG
6629	Table 1	NA	470F3	1	ACTTCACTCACTTTTTAGCCTGTTCAT
6630	Table 1	NA	470G6	1	TGAGGAGGATGGGAGGCGCACAGGC
6631	Table 1	NA	470B8	1	AATTTAGCTAGATATAGAAAGAGAA AGCTGATTTGGATTCTTGCGGTTTGC
6031	Table 1	IVA	47000	'	ATCGGTCTAATTTATCAAGTGTGT
6632	Table 1	NA	470G10	1	TCCATCCTTGGAAGCTTGACAAGCAT TCACACTACTGGCTCACCTACTAT
6633	Table 1	NA	471D6	1	TAGCACTGTAGCCAGAGTCCCTGCTT GTACCAGGAAGCTGGGTGGTGGTT
6634	Table 1	NA	471F1	1	TGGATAGTCAGAATTACGTGTTTTGT
6635	Table 1	NA	471F4	1	GGATTGGGGAGGGAGGAAA GCACTCCTGGAACCTTCTCACTAATT
					CGGGGACCAGTTTTGTGAATGTTG
6636	Table 1	NA	471F6	1	TTGCTGCGGATGACCTGACTGAGCC CTGGGAGACTGTGCTATAATCTCTC
6637	Table 1	NA	471E9	1	AGAAGGAGGATCTGTTCTAAACATCT GCGAGGGGAGGACAAAGCATTGAA
6638	Table 1	NA	471E11	1	CTTGCATCTGAGTGAAGATGAACCTT
6639	Table 1	NA	471H11	1	TCTTTCCCAGCCCTGAGAGAGGGA GTCTAGCTGGCAGGTGATGAAT
6640	Table 1	NA	47054	1	GGATGAGCTGGCAGACCAACAGAA TGCATGGAAATGTTTCGAGTACGGGG
6640	Table 1	NA	473E4	'	AAAATAAGGGAGCCAAAACTGTGT
6641	Table 1	NA	473F3	1	TTTTAAGGTGTGACTCAATTTACAGG CATTCTGTATTTTTGCGATTTGGT
6642	Table 1	NA	473E11	1	ACCTTTGGGAGAAAGTCTTACAACTA
6643	Table 1	NA	476C1	1	CATGAAATGCAGATTTATGGACTC GAAGGGACAGAACAATCAACTGTGA
6644	Table 1	NA	476D3	1	GAGATGGGAAGAAAACTCAAATGGA CTAGTTTGGGGACTTTCATTGGGCAC
					GTGAATCCAGGAGGGCTGAATTTT
6645	Table 1	NA	476F5	1	GGCCCAGATTGTAGACAGCATAAAAA TAATTTTGGGCTTTTCCTGTTAAA
6646	Table 1	NA	476G3	1	CTGGGCTTCTTGTGTGAGAAGCACC
6647	Table 2	NA	476G4	1	GCAGCCAAGAACAACCAGTGCAACT GAAGGGGGATTCGGTGATGGGGGAA
					GCCAAGGGACAAGGAAA
6648	Table 1	NA	476A10	1	AACCCAACCATGAAAAAGAAGAAGCT
6649	Table 1	NA	476G8	1	CTGGACTACGGCCAGGCGTGGGAG TGGCTATTTGAGTTTTCTCTTACATGA
	ere '			•	AATGCCTGGCAACGTACACTGGC

6650	Table 1	NA	476H10	1	TGAACTCTGATTTCCGCCGAAACTAG GAGGAAACACCCAAAAGAAGACGG
6651	Table 2	NA	477E1	1	TTTGCTGGGACTAAAATCAAAACTGC
6651	Table 2	N/A			ACTGCAGAGCAGGTGAGGGTTCAT TGGAGAGTGTGTGTATTACCATTTTTT
6652	Table 1	NA	477E6	1	TACATTGCATCACATTTTACCATCTAT ATCT
6653	Table 2	NA	477A11	1	TTTGAAGCCCCTCATAGAGAAGAGAC
		ALA	477D9	1	TGTACCATAAGAGAAGCCCACTCA AACTCTCAGTCCATGAGCTTGATTAC
6654	Table 1	NA	47703		TCCATTGTACCATTTGGAAGCCCA
6655	Table 1	NA	477D10	1	GTGGGTAGCCATTAAGTGGTCTGGC ACAGAAAGGGACAAGTAGCTTCAAG
6656	Table 2	NA	480A3	1	CTGGTGCTGAGTGGAGTCACAGTAA GGCTGTAGATGGAGCGCCCTGGGAA
6657	Table 1	NA	480B5 .	1	TTTTGATGTGACCAGTCGTGCATGGC GGGGGACAGGAGCTTAGGGGGAAT
6658	Table 1	NA	480D2	1	ATTATGCATGTCGAGGGGACAACTTT TATTAAACAGGAGGGGTGTGTCTT
6659	Table 1	NA	480E2	1	TGGTCATGTTTCCCTCTTTACTCCAC GACAGTTTCATTATTGTAACCAGG
	Table 4	810	480E3	1	TTCTGTTGGTTATATGTAACCAGG
6660	Table 1	NA			ATTGTCTCCCAGTGTGTGGGTTCT
6661	Table 1	NA	480F3	1	AGTCCTGGCAACTTTACCTGGGAATT GTCTGTAATCTTTAAGCAGTGGCG
6662	Table 1	NA	480G4	1	AGGACTTATCTAGCTTTCACAGATTC
		***	480C8	1	AGAGTGCGTTTCAAACATCATTGT TTTAACAGGCTTATCTAGGACATAGG
6663	Table 1	NA	46000		CCCAAGAGGGAGGAGGAAGGC
6664	Table 1	NA	480D9	1	CTCCAGGCCGAACGAGCCTCCACTC TGGATTAAGATCTGTCATCTTGACA
6665	Table 1	NA	480E7	1	GCAGGACTTGTGGCAGGACTCAACG
0000	Table 1				GGAGAGAAGAGGCTGAAACATAAA
6666	Table 1	NA	480E11	1	AAGAACATCCCAACTTTTCCGGTAGG
0000			40000	1	CAAGTGTCAAGTCACCTGGACAAT TCTGTGGCTTGTTGTGGGACCCTGC
6667	Table 1	NA	480F8	•	GCCCTTTAAATTAGGGCATATTTTA
6668	Table 1	NA	487F11	1	GCGCTAAAAACCTGGTGATTAAATGA CAAACAGAACGTGAGAAGAGATTT
6669	Table 3A	NA	499G1	1	TCCTGCACACAACAAATAAAGACAAG
			518F10	1	AATAAAGGGCCACCCATCAGTAGC ATGTTGTTCAAATTAAACATCATACCA
6670	Table 1	NA	310110		CATGGGGCAGCTACCAATTTTT
6671	Table 3A	NA	524A12	1	TAATATGAAAAGCTGGAAAAGAATTA AGGGGTTGAGGAGACGTGCCGGGT
6672	Table 1	NA	526B9	1	GTTACCCTGACGAATGCAGTCCTCGT GTGGAATGTCTATGCCCTCTTGAG
6673	Table 1	NA	583B5	1	ACACCAGCAGTCATAGGGGAAAGGG GAATACAGTTAATTGGGTATTTGTT
6674	Table 1	NA	583D6	1	ACTCCCTCCCATCTCTGGTCTTTAGT TGGAAGCAAGCTTTCGGACAACGG
6675	Table 1	NA	583G8	1	TCCAACAAGGGTTACGGCAGAATTTA
6676	Table 3A	NA	584A1	1	TGCGAAAGTCTTCTTTGGGCTAAA TTGTTCTGCTCAGGCCAAGGATTGTT
6677	Table 1	NA	584D3	1	GTGTGCTCTGTATTTGCTGCTTTG GGCCCGGCATGTCTTCGTTTTGTCAG
			DNA sequence from clone RP4-620E11	1	TCCTCATCCAATCCATCTTCATAT GTGGGTTTTTAGACACCTGCAGCAAG
6678	Table 3A	NA	on chromosome 20q11.2-12 Contains t	1	AAGAAATACTGACTGACTAGGCAT TTTTAAAGAAAAATCTATTATCTTGGA
6679	Table 3A	NA	591H9		GCATGGATGGGGGAATGCGAAGG
6680) Table 3A	Hs 6179	DNA sequence from clone RP3-434P1 on chromosome 22 Contains the KCNJ4 gene for inwardly rectifying potassium channel J4 (hippocampal inward rectifier, HIR, HRK1, HIRK2, KIR2 3), the KDELR3 gene for KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3, the DDX17 gene for DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 17 (72kD), ESTs, STSs, GSSs and six putative	1	CAGAAGAAACATGGCAAACTGCTCTG TGCTTTCAAACCAAAGTGTTCCCC
668	1 Table 1	Hs.44577	602388170F1 cDNA, 5' end	1	GTTACTTAAGATCAGTATGTGTGGTG
			/clone=IMAGE:4517129 /clone_end=5'		CATATGTGATTTCGACCATTCAGT

Table 8

6682	Table 3A	Hs.108124			DNA. FLJ23088 fis, clone LNG07026	1	GAGAATTTCCGTCTGATCTATGACAC
	Table 1	NA			ds=UNKNOWN 19F12	1	CAAGGGTCGCTTTGCTGTACCTCG CTGGGTTAATACTCACCAACTTTGAG
				1.	19G10	1	AAGGTTGGTCTCTGCTCTTCTGTA GGAAAGACAGGTGAGTGTGCCACAA
6684	Table 1	NA				1	CTACCTAACACATCAGCAAATCTGG GTCACTTTAGCGAGCGGGAAAACAAT
6685	Table 1	NA		4;	B5A6	,	GGCGGAAAGGGAAAACCTGGAAAG
6686	Table 1	NA		4	85D5	1	CGATAAGCTGTGGTGTTGGGAGTGA
				4	89H9	1	GAGATGTTACTTTGCGAATGTTCAA AAAGGCTAGGTTTGCGAAAGCCCTTC
6687	Table 1	NA				1	TAAAACTATGCTTTGGTGGTTACT CTGACCCTGCCGGGCGGAAGATAAA
6688	Table 2	NA		4	94B11	'	ACAAAAACGAGAAGAACAAGCAAGA
6689	Table 1	NA		4	78E5	1	AAGATTGTAAAAATACATTTTAGGCTC
	Table 1	NA		4	78G6	1	AAGAGTTCCAGGGGTTTCAGAGC TGCAAGCTGGCACCTTCACGTTTATT
6690					.78H3	1	TTTAAAGGGCTTCACATCAAAGAT AAACAAAGAAGGAAAATGAAGAGGG
6691	Table 3A	NA		4	7 ons	•	GGAAAAGATGAACATCAGGCTGGGT
6692	Table 1	NA		4	78C7	1	TCCAAAGGATGTTCTGGTGTTGCAGC
	Table 1	NA		4	178G8	1	ATGATTTCTGGTGTTAGTCTTTCT TTTGTGGGTGCGTGAGAGGGGATTTA
6693					178H7	1	TACTCCTTGAGCCATATTTTGTGA GGGTTCACAGCATGGGTGGAGGTAA
6694	Table 1	NA					GTAGTATTCTCATTGGTTGGTTAGT GACAGTGAGAAGAATATGGAGTAGA
6695	Table 3A	NA		4	179B4	1	GTCCTTTTGGTCTTTGAGGCGGTCA
6696	Table 1	NA		4	179D2	1	AACAGCTGAAGAACAAGAAGGTGAG CTCTGAATGCGTCAGGTGGTCATTC
6697	Table 1	NA		4	479G2	1	GGCTGACCAGTACAGGCTTGGGAAT TTTATGGTTGGGTGGTTTCTACCAA
6698	Table 1	NA			479G3	1	GGGGAGCTATATTACTGATTAAAAC CACCATTTCTTCACCCAACTTATG
6699	Table 1	NA			479G5	1	AAGTCTTGTATTATGAGGTACTGGGG
		NA		·	479G6	1	CTCTGGGGGATATTGAGATGAGAA AGTCCTGCTGAATCATTGGTTTATAG
6700	Table 1					1	AAGACTATCTGGAGGGCCTGATAG GGAGCTTCCAGTCTAATAGAAAAGAT
6701	Table 1	NA			479H4		GCACTTACGAATAGACTTTGGGTA TCTGTGCTCTGTGGACCCGTCACCCT
6702	Table 1	NA			479H5	1	GAGCTCCTCAGTTGCTGAACCATC
6703	Table 1	NA			479H6	1	TGCTGGCATGTGGATAGACTTTAGCA AATGGTAGTCATCTTCTAATTTCT
6704	Table 1	NA			479G12	1	AATGGGAATCTTAAGGCCTCTCTGGA AAGGGTGTGAGGGGGTCGAGGGGG
6705	Table 1	NA			479H12	1	TGCATATTGTCACTGACTGGCTAGGG TCTCTAAATTTATGAAACCTTACA
6706	Table 1	NA			482A5	1	GTCAGCAACTAAAAAGGGAGATATAT
							CTTAGAGAGACTGGAATAAGCAACTC
6707	Table 3A	NA			483G5	1	GGAAGGACTCAAACTGGCCATAAAG GCAATACGGCATGTTCATTACACCA
6708	Table 1	NA			486C4	1	TTTGTTGACTATGAAATAGTGGTCCT GGTTTTAACTCTTTGGGGTTCCCT
6709	Table 1	NA			490F10	1	AATTATATTTTAGGCTGATGTGGGTG GTCTGTAATGCTCTCATTTACCAC
6710	Table 1	NA			493C2	1	CTGTGTTTCTGTATGGTATTGCATTTG TCCCGGCCTGTTGGGTTTGGTGG
6711	Table 1	NA			58G4	1	TTCATGCTCATTAGGACATTGAACAA
	2 Table 3A	Hs.169370			DNA sequence from PAC 66H14 on	1	ATGGCAGAGTAAGAAAGTTTGGCC GGGAATGGACTCATATGCAAGATTGC
0/ 12	1 able 5A	113.100010			chromosome 6q21-22. Contains FYN (P59-FYN, SYN, SLK) gene coding for		TGACTTCGGATTGGCCCGATTGAT
					two isoforms. Contains ESTs and STSs		
671:	3 Table 1	NA			/cds=(12,1706) 598H2	1	CAACACATGGGACGGGAAGGAAATC
		NA	AA077131	1836605	7B08E10 Chromosome 7 Fetal Brain	1	CTTCCGTGTGATTTTGTTAAAAATA CAGCCACCTCCTCAGGTCAGACAAG
6/14	4 Table 3A	IN/A	747017 101	,500000	cDNA Library cDNA clone 7B08E10,		CCCAGCACCCAAATACCACTATCTG
					mRNA sequence		

Table 8

6715	Table 3A	NA	AA501725	2236692	ng18e12 s1 NCI_CGAP_Lip2 cDNA clone IMAGE 929806 similar to contains Alu repetitive element;, mRNA	1	GGCTTCCCTATTACCTCCCAGCGAAA TTCGTAGTCTTTCTCTATGGAGTT
6716	Table 3A	NA	AA501934	2236901	nh56a10.s1 NCI_CGAP_Pr8 cDNA clone IMAGE 956346, mRNA sequence	1	TGCTGATGTGTTAGGTAGTTGTGGCA CACTCACCTGTCTTTCCTAAATGC
6717	Table 3A	NA	AA579400	2357584	nf33d05 s1 NCI_CGAP_Pr1 cDNA clone IMAGE:915561 similar to contains Alu repetitive element;contains	1	TTCATGCTCAGCAAAACAACGTTTTA GGATGGTGAGAGAAAGAAAGTAA
6718	Table 3A	NA	AF249845	8099620	isolate Siddi 10 hypervariable region I, mitochondrial sequence	1	TATTAACCACTCACGGGAGCTCTCCA TGCATTTGGTATTTTCGTCTGGGG
6719	db mining	Hs 277051	Al630242	4681572	ad07c09 y1 cDNA /clone=ad07c09- (random)	1	TTACCTGCTTTGCATGCTCTCCATCG TCAAAGTCTTCTGGAAACTTAGGC
6720	db mining	Hs.277052	Al630342	4681672	ad08g11 y1 cDNA /clone=ad08g11- (random)	1	CCCCACCCAACACATACAAACGTTT CCCACCAATCCTTGAACTGCAAAA
6721	db mining	NA	Al732228	5053341	nf19e05 x5 NCI_CGAP_Pr1 cDNA clone IMAGE:914240 similar to contains Alu repetitive element;, mRNA s	1	TTCAAGGTCCCAATACCCAACTAACT CGAAGGAAGAAATGGAAATCTATT
6722	Table 3A	Hs.197803	AW379049	6883708	mRNA for KIAA0160 gene, partial cds /cds=(0,2413)	1	TGCACAGAACTCTTACTTACATGTCT CATCGAAACTCCAGAACACCGTCG
6723	Table 3A	Hs.232000	AW380881	6885540	UI-H-BI0p-abh-h-06-0-UI s1 cDNA, 3' end /clone=IMAGE:2712035	1	TGCATGTATCCCGGTAATTCAAATCC AATTTCACAGCCACTGCTGAATAT
6724	Table 3A	Hs 325568	AW384988	6889647	602386081F1 cDNA, 5' end /clone=IMAGE:4514972 /clone_end=5'	1	TACAGGAAAATGAAACTAGACGGGTG GGGGACACTAGAATGAAAACCAGT
6725	Table 3A	NA	AW836389	7930363	PM0-LT0030-101299-001-f08 LT0030 cDNA, mRNA sequence	1	AGTTTCTGCTTTCAGTGACTGAGGCT TTGCTTTAACCTGGTGACTCCCAA
6726	Table 3A	NA	AW837717	7931691	CM2-LT0042-281299-062-e11 LT0042 cDNA, mRNA sequence	1	TCCCACTTCAAGTTAAGCACCAAAGC AATCACTAATTCTGGAGCACAGGA
6727	Table 3A	NA	AW837808	7931782	CM1-LT0042-100300-140-f05 LT0042 cDNA, mRNA sequence	1	CATGGATGGGGGCAGTGGTGTTTCT AGTGTGTGAGGAAGCAGAGCAG
6728	Table 3A	NA	AW842489	7936472	PM4-CN0032-050200-002-c11 CN0032 cDNA, mRNA sequence	1	TCACCACAGATGGGAAGATCGTTTCC TGAAAACAGTCTATAAATCACAGA
6729	Table 3A	NA	AW846856	7942373	QV3-CT0195-011099-001-c09 CT0195 cDNA, mRNA sequence	1	CAGACGCTCCAGTGCTGCCGAGGTT AGTGTGTTTATTAGACCTGAAATGA
6730	Table 3A	NA	AW856490	7952183	PM4-CT0290-271099-001-c04 CT0290 cDNA, mRNA sequence	1	CCCTTTAGGCCTCTTGCCCGAACAGT GAACACTAATAGATATCCTAAGCT
6731	Table 3A	NA	AW891344	8055549	PM2-NT0079-030500-001-a04 NT0079 cDNA, mRNA sequence	1	ATGGGGATCATGTTTTATTTTTCTCTA TATAATGGGCCAGTGTGTTCCCA
6732	Table 3A	NA	BE061115	8405765	QV0-BT0041-011199-039-f09 BT0041 cDNA, mRNA sequence	1	AGCTGTAGACCATAAGCCACCTTCAG GTAGTGGTTTGGGAAATCAAGCAA
6733	Table 3A	NA	BE086076	8476469	PM2-BT0672-130400-006-h09 BT0672 cDNA, mRNA sequence	1	TGTACTTATGCTTGTCTTCTCTACCTG CCCCCAGTCTTGAAGTGGTGGAA
6734	Table 3A	NA	BE091932	8482384	IL2-BT0733-130400-068-C11 BT0733 cDNA, mRNA sequence	1	GGAGGGTGTGGGAAGCAAGAGAAGAACATTCTGTTAGGGGCAGAGAAGAA
6735	Table 3A	Hs.173334	BE160822	8623543	ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)	1	GCATCTCCAGCTTTCATAGTTACCCA ACTTGTAAACCAGAAGATGTGCTG
6736	Table 3A	NA	BE163106	8625827	• • •	1	GGCCAGTGCCAGACGGTAGCTAGTT GGATGCTAAAGGTAGAATTTAGATA
6737	Table 3A	Hs.301497	BE168334	8631159	arginine-tRNA-protein transferase 1-1p (ATE1) mRNA, alternatively spliced	1	GGCATTGTAGGTTGACACCAGCAAAG ACTCAGAGTGACTTGAGCATTGGA
6738	Table 3A	Hs.172780	BE176373	8639102	product, partial cds /cds=(0,1544) 602343016F1 cDNA, 5' end /clone=IMAGE:4453466 /clone_end=5'	1	AGCCCATTTGGATATGGCCCATCTTT
6739	Table 3A	NA	BE177661	8656813	RC1-HT0598-020300-011-h02 HT0598	1	ACCTAATGGCTACTATAGTGAGGT AATCACAGCAGTAACTCCCAGTAGGA AAGATTCTCAAAGGAATAGTTCTT
6740	Table 3A	NA	BE178880	8658032	cDNA, mRNA sequence PM1-HT0609-060300-001-g03 HT0609 cDNA, mRNA sequence	1	AATGGTCAGGCACAGGTAGAATCAAA GTCCTGTATGTATGTTCACACAGA
6741	Table 3A	NA	BE247056	9098807	TCBAP1D6404 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-	1	TACCTGAAGGTGTAGAGAGTGCCCG CATCCAGCAAGGCCAACAGCTCCAC
6742	Table 3A	Hs.11050	BE763412	10193336	HGSC project=TCBA cDNA clone T mRNA; cDNA DKFZp434C0118 (from clone DKFZp434C0118); partial cds	1	CTGTGTTTTTCCCAAAGCAACAATTTC AAACAAAGTGAGAGCCACTGACA
6743	Table 3A	NA	BF330908	11301656	/cds=(0,1644) RC3-BT0333-310800-115-f11 BT0333	1	GACTCCGAGCTCAAGTCAGTCTGTAC
6744	Table 3A	NA	BF357523	11316597	cDNA, mRNA sequence CM2-HT0945-150900-379-g06 HT0945	1	CCCCAACCCCTAACCCACTGCATC TGTAACTGACTTTACTGAGTGCCTGA
6745	Table 3A	NA	BF364413	11326438	CDNA, mRNA sequence RC6-NN1068-070600-011-B01	1	TCTTGCCTTTACTGAGTGCCTGA TCTCTCTAACCAAAACTGTAATCTTCA
6746	Table 3A	NA	BF373638	11335663	NN1068 cDNA, mRNA sequence MR0-FT0176-040900-202-g09 FT0176	1	GGACCAGCAAACTCAGCCCAAGG AACTCTTGGTTAAATGGGTTAATAGA GGATTGGAACACTTTGTTTGCTGT
6747	Table 3A	NA	BF740663	12067339	CDNA, mRNA sequence QV1-HB0031-071200-562-h04 HB0031	1	GGATTGGAACACTTTGTTTGCTGT AGAAGCAAACCTGTGAAGCTACTATC GTTTATCATCAGTGTGAATGCACT
6748	Table 3A	NA	BF749089	12075765	cDNA, mRNA sequence MR2-BN0386-051000-014-b04 BN0386 cDNA, mRNA sequence	1	GTTTATCATCAGTGTGAATGCACT GGACTAACTTCCACCTCCTCTGCTAC TTCCAGCTGCTTCTAATCACACTT

(6749	Table 3A	NA	BF758480	12106380	MR4-CT0539-141100-003-d05 CT0539	1	AGTCTTCCACCCAGCATAGGTATCAC ACAACCAGCTCTGTTTTACTCCTG
1	6750	Table 3A	NA	BF773126	12121026	cDNA, mRNA sequence CM3-IT0048-151200-568-f08 IT0048 cDNA, mRNA sequence	1	TTAGCTGGTACATTGTTCAGAGTTTA CTGGGAGCCGGTAAGATAGTCACC
	6751	Table 3A	NA	BF773393	12121293	CM2-IT0039-191200-638-h02 IT0039 cDNA, mRNA sequence	1	AGCGTGATGCTTCCTCATGTCGGTGA TTTTCTGTTGAGACATCTTCAAGC
•	6752	Table 3A	NA	BF805164	12134153	QV1-Cl0173-061100-456-f03 Cl0173 cDNA, mRNA sequence	1	CAGGGTTAACAAAAGTATGGAATTCA ATTCTTTTTATATGCTGCAGCCATGTT CCT
(6753	Table 3A	NA	BF818594	12156027	MR3-Cl0184-201200-009-a04 Cl0184 cDNA, mRNA sequence	1	TGTAATTGATTTCCGCATAAACGGTC ATTACTGGCACCTATGGCAGCACC
•	6754	Table 3A	NA	BF827734	12171909	RC6-HN0025-041200-022-F08 HN0025 cDNA, mRNA sequence	1	GTGATCCACTTGGAGCTGCTACTGGT CCCATTGAGTCCTATAGTACTTCA
1	6755	Table 3A	NA	BF845167	12201450	RC5-HT1035-271200-012-F08 HT1035 cDNA, mRNA sequence	1	TGCCATGAAATCTCTATTAATTCTCAG AAAGATCAAAGGAGGTCCCGTGT
•	6756	Table 3A	NA	BF869167	12259297	IL5-ET0119-181000-181-b11 ET0119 cDNA, mRNA sequence	1	CCCACCTGGCAAATCCTCAAGTGTGA CCCTAGTCATCTTTCTCCTTTTGG
•	6757	Table 3A	NA	BF875575	12265705	QV3-ET0100-111100-391-c02 ET0100 cDNA, mRNA sequence	1	GCTAAACAGAAAAGAACCTGAAGTAC AGTTCCCGTCTTCAAAGAAGATGC
,	6758	Table 3A	NA	BF877979	12268109	MR0-ET0109-171100-001-b02 ET0109 cDNA, mRNA sequence	1	ATCCTCCTCCCCTGGGATGGCATAGA AGAGACTTTAAAACCAAATGAGCC
,	6759	Table 3A	NA	BF897042	12288501	IL2-MT0179-271100-254-C11 MT0179 cDNA, mRNA sequence	1	GTCAGTAAGCTCTGCCTGCCAAGAAG ACACAGTGAGAGGTGTCCACAGTC
+	6760	Table 3A	NA	BF898285	12289744	QV1-MT0229-281100-508-e11 MT0229 cDNA, mRNA sequence	1	GTTTCCACTTAGTTACTTCTTCCTACC TGCTGTGAAGCTCTGCACCCTGC
,	6761	Table 3A	NA	BF899464	12290923	IL5-MT0211-011200-317-f03 MT0211 cDNA, mRNA sequence	1	AGAGTAATCCACATCCCAGGGACAGT CACAATGACCTACGGCTTTAGCTG
	6762	Table 3A	NA	BF904425	12295884	CM1-MT0245-211200-662-d02 MT0245 cDNA, mRNA sequence	1	GCAGGGCTACACCAAGTCCATTGATA TTTGGTCTGTAGGCTGCATTCTGG
	6763	Table 3A	NA	BF906114	12297573	IL3-MT0267-281200-425-A05 MT0267 cDNA, mRNA sequence	1	TCTTCTCTAAAATGCCCTCCTCTCCTT CCTTTTTCCAGACCTGGTTTAAA
	6764	Table 3A	NA	BF926187	12323197	CM2-NT0193-301100-562-c07 NT0193 cDNA, mRNA sequence	1	TCGCCATTTGGTAGTTCCACAGTGAC TGCTCTTCTATTTTACGAAGCCAC
	6765	Table 3A	NA	BF928644	12326772	QV3-NT0216-061200-517-g03 NT0216 cDNA, mRNA sequence	1	GTAGATTACTATGAGACCAGCAGCCT CTGCTCCCAGCCAGCTGTGGTGTG
	6766	Table 3A	NA	BG006820	12450386	RC4-GN0227-271100-011-d03 GN0227 cDNA, mRNA sequence	1	TTTCCTTTTCGCTGACTTTCTCACTCA CTGTCTGTCTCTCATTTTCTCCA
	6767	Table 3A	NA	F11941	706260	HSC33F051 normalized infant brain cDNA cDNA clone c-33f05, mRNA	1	TGGTAAGTTTCTGGCAGTGTGGAGAC AGGGGAATAATCTCAACAGTAGGT
	6768	Table 3A	NA	U46388	1236904	HSU46388 Human pancreatic cancer cell line Patu 8988t cDNA clone xs425, mRNA sequence	1	CCATGGTGGTGCTTGACTTTGCTTTG GGGCTTAATCCTAGTATCATTTGG
	6769	Table 3A	NA	U75805	1938265	HSU75805 Human cDNA clone f46, mRNA sequence	1	TCAGTGGGTGTTGGTTGTCCATTAGT TGAGACTTAGTTGTTGCTCTGGGA
	6770	Table 3A	NA	W27656	1307658	36f10 Human retina cDNA randomly primed sublibrary cDNA, mRNA	1	GGCTGGACAGCAGATGATTCAAATCT CAATACTACATGCCCATTCTGTGG
	6771	Table 3A	NA			36G5	-1	CAGGATGGAACAAGACTCCAGCCCC TGCCTGTCTCATGTATCTGCAAGGG
	6772	Table 3A	NA			36F11	-1	CTTCAGTGCGTACACGAGCTCAACGT TAGTGCCAGGAAAGACAACTACTC
	6773	Table 1	NA			37G7	-1	ACTCGTATGCCAACTCTTCTGTCTTC ACTACTAGAGTGTAGATTGGACTC
	6774	Table 1	NA			37G8	-1	TGGACTGGAACTTGACTCGAAGTTAT GTGGCTTAATGAGTAAGTTCAGCC
	6775	Table 3A	Hs 197345			thyroid autoantigen 70kD (Ku antigen) (G22P1), mRNA /cds=(17,1846)	-1	ACTGGTTCATTTGTTTCCCGATAGAG CTTTATTGGAGGAGGCTTGAGAGC
	6776	Table 1	NA			40E4	-1	ACCATCTCCTTTAATCCTCACAGTGA TCCTGGAGCAATGTGTGCATTCCT
	6777	Table 3A	NA			41E9	-1	CATCACCTGCTCACCTAGGAACCAGG AGTACTGGGAACTGTTCCGTTACT
	6778	Table 3A	Hs.169476			Homo sapiens, glyceraldehyde-3- phosphate dehydrogenase, clone MGC:10926 IMAGE:3628129, mRNA, complete cds /cds=(2306,3313)	-1	TCATTGCTGATGATCTTGAGGCTGTT GTCGAACTTCTCATGGTTCACACC
	6779	Table 3A	NA			47E5	-1	TGGCACCACGCTGATTATTTTCCTTTT CAAATCCCAGCCTATACACCTCC
	6780	Table 2	NA			47D11	-1	GCTGTCTGTCTTCCCAATATCCATGA CCTTGACTGATGCAGGTGTCTAGG
	6781	Table 1	NA			50A11	-1	AGGCCTTTTTATTTGTCTGTTTAGATA CACTGCTTCCTATATCTGCTGGA

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6782	Table 3A	Hs 132906	DNA sequence from clone RP11-404F10 on chromosome 1q23.1-24.1. Contains the 5' end of the SLAM gene for signaling lymphocytic activation molecule, a SET (SET translocation (myeloid leukemia-associated)) protein pseudogene, the CD48 gene for CD48 antigen (B-cell membrane protein), the gene for a novel LY9 (lymphocyte antigen 9) like protein and the 5' end of the LY9 gene Contains ESTs, STSs	-1	CCCGTGCCCCACCAGTCTCACTGCC TGACTCCAAGTCTCGTACACTAGAT
6783	Table 1	NA	52B9	-1	AGCGATGAACTGTTGCAAAAGAATTT TCCAGAGCATTTTCCATTAAACCA
6784	Table 1	NA	53B1	-1	CCATATTCTTGTTCCCCAGCCAGGTG CTGCACCTCCCCACTCTTTTAGTG
6785	Table 1	NA	53E3	-1	AAATGCTTAAAGGAACAATATATGTC CCTTTCGAGGCACGTGATTCGTTT
6786	Table 1	NA	53E10	-1	TCTGGAGCCACACCCTTACCATCACC TTCCAAAGAAGAAATTGAACCCTT
6 7 87	Table 2	NA	53G7	-1	AATCACACAAGGTCGAAAGTAGACAG TCCTCTTGGACTTGGAATTGTCCA
6788	Table 1	NA	54F4	-1	ACTITCCTCCGGGAAGTITGTATCTT AGCGTGGACAACAGGTTAACACAA
6789	Table 1	NA	54G9	-1	TCAGGATGCTCTCACTTTAAGAACCG GGCAAATAATAGAACACTGTGACA
6790	Table 1	NA	59G1	-1	ACTTCACTCAGAGTAAATGAAAAGAC TGGGTGCCTCATCAATATCATTGT
6791	Table 1	Hs.48320	mRNA for ring-IBR-ring domain containing protein Dorfin, complete cds	-1	TGACTGAAGGCAAGCTCACAGATGAA GCAGAGGACTGAAGATCTCGATCT
6792	Table 1	NA	/cds=(317,2833) 60G8	-1	GCTGAGAAGGATGTGGTATAAATGTA TTAAGCAGCTTAGGGTCTCTGGCC
6793	Table 2	NA	62C9	-1	AAGTCCCCGTCTAGTGGGAAAGAAA GAAGTTGAACAAGTAATTCCAAGGG
6794	Table 3A	NA	62F11	-1	CGCCCGGCAAGTACTGGGGTTTCTTA TAGCTTCTCTCTCGCATCTACAAAG
6795	Table 1	NA	63E1	-1	CTGTTTCTCTATTTTAACTTACATTGG TTATTCTGTAAAGTCAGATGTGGCAG
6796	Table 2	NA	65B1	-1	GCACTGTCCTTCCCAGTTCTACATTT GAGTCTGAGTTGACTCGCAAGACT
6797	Table 2	NA	65D10	-1	AACAGATTGTGCTTCTGTTCTGAATC TTCTAAAGCCATCTGCACAGTGCT
6798	Table 2	NA	65D11	-1	AACAGATTGTGCTTCTGTTCTGAATC TTCCAAAGCCATCTGCACAGTGCT
6799	Table 2	NA	65D12	-1	ATCTGCACAGTGTTAGCATGGTGACT CCAGTGTCCTCCAAGACTCCATAG
6800	Table 1	NA	68C9	-1	TITAGCATCCACTAGTTACTGTCTGG CACTGGCCACGAAGGGTGACAGGG
6801	Table 1	NA	69F8	-1	GAATCCCGGTCATCTCTACCCAAGTC CCGGTCTCTCTACCCTATTCTCTC
6802	Table 1	NA	69H11	-1	TGGTAACTTCAAAGTCCCTAACACAT TCGATATTTCTCCTAGCTTCCACT
6803	Table 3A	NA	70B6	-1	ACTCCCACCAAACCCCACTTTGTAAT CACTGGTAGTAAAGAGAGATGCAG
6804	Table 3A	Hs.17109	integral membrane protein 2A (ITM2A), mRNA /cds=(139,930)	-1	AAGAGTAAGAGGCAACAGATAGAGT GTCCTTGGTAATAAGAAGTCAGAGA
6805	Table 2	NA	72D4	-1	GAAATTGGAAGGTGATACTTGGGGAC CACAACACGCACATCTGGGAACTG
6806	Table 3A	Hs.234279	microtubule-associated protein, RP/EB family, member 1 (MAPRE1), mRNA /cds=(64,870)	-1	TCATCTGTGGCATACAGAATGTCTAC AATCTTCTGCAATACAGGGTCGTT
6807	Table 2	NA	72D8	-1	GGCAAGGGAACAAACTTGAGTAAATC TAGCTCTTGAAGGGCTCGGGACCC
6808	Table 1	NA	73C4	-1	ACTCATTTGTCTCCTCATTCTCAAAAG
6809	Table 1	NA	73H4	-1	TCTTCTGTGGTTTGGCTTCAGTG TCGATGGGCCATTATCCACTCTGCTA
6810	Table 2	NA '	73A7	-1	TCTTCTGAAGAGTAATTTTCACCT AAGGACGGAACTCACACACACCTCTTTT
6811	Table 3A	Hs.174228	small inducible cytokine subfamily C,	-1	AGACAGAAATGTAGTCTCACTGCA TATAATCCCAGTCCATGAGGGTGTAA
6812	Table 3A	Hs 3945	member 2 (SCYC2), mRNA CGI-107 protein (LOC51012), mRNA	-1	AGTGAAATGAGCTGGCTGGA GCTCTGTTCTGGGGTTGGTCCAAAGT
6813	Table 1	NA	/cds=(84,719) 75A2	-1	CAGGTGGAGTTCCAATGTATGAAA TCCCTGAGATCTAGGAGGGCAGCAT AGTATCATTTTTGTATTCCGGTGCT

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6814	Table 3A	Hs 249495	ribonucleoprotein A1 (HNRPA1), transcript variant 2, mRNA		GACAAATACTCATGTGTATGGGCA
6815	Table 2	NA	75B12	-1	AGGGATCTGAATACTTCGGGTGCAAA AATTTTCCTGCAGTTTAGATTTGC
6816	Table 2	Hs.205442	601439689F1 cDNA, 5' end /clone=IMAGE.3924407 /clone_end=5'	-1	TATGGTTTCCAATATCGACATGGCAT CATTGGTTACATTAGCACTGGGCC
6817	Table 3A	NA	101G7	-1	GGCCTGGGCATAGACTGTGGTGAGG TCACTAGATTATCTTGTTCTTCCCC
6818	Table 3A	Hs 179565	minichromosome maintenance deficient (S. cerevisiae) 3 (MCM3), mRNA /cds=(44,2470)	-1	GAGTCCTGATCTCAGCTTCATCACCA ACATTCCTCGCCTTCAGTTGAATT
6819	Table 1	Hs.119640	hBKLF for basic kruppel like factor (LOC51274), mRNA /cds=(55,1092)	-1	GGAGGTCTTTGCCACCAATGGGAGA TGAGCCCAAACTTTCGATATAGGTG
6820	Table 3A	Hs 215595	guanine nucleotide binding protein (G protein), beta polypeptide 1 (GNB1), mRNA /cds=(280,1302)	-1	ACCAGAGGTAAACTTGAGTGTAATTG TCAGACAGACACACTTTTCCACCA
6821	Table 1	NA	105A10	-1	TGCATTTTACATTAGCTTCCAATATTT ATGGCAGTAACCAACAGTATTATCGT
6822	Table 1	NA	107G11	-1	TTTCCAATGCTCCTTGCTCCATTTTAA ACTTGCTGTCCTTTATAAGAGAA
6823	Table 1	NA	107H8	-1	TGTTTTCACGATAGAAATAAGGAAGG TCTAGAGCTTCTATTCTTTGGCCA
6824	Table 3A	Hs 64239	DNA sequence from clone RP5- 1174N9 on chromosome 1p34.1-35.3. Contains the gene for a novel protein with IBR domain, a (pseudo?) gene for a novel protein similar to MT1E (metallothionein 1E (functional)), ESTs, STSs, GSSs and two putative CpG	-1	TTTCATACAAAGCCAACAGAATTCAC AGCCACACACTGCACAGGTCATGT
6825	Table 1	NA	109H9	-1	AGGAAGCTGTGAGGGTGGGTTCATT AGTTGCAGGGATGGTAGTTATGTCA
6826	Table 3A	Hs.80261	enhancer of filamentation 1 (cas-like docking; Crk-associated substrate related) (HEF1), mRNA	-1	GAGACAAGCTGGAAGGCCGGACCTC AGACCGGAGGGGGTTTATGTCATTC
6827	Table 3A	Hs.1422	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog (FGR), mRNA /cds=(147,1736)	-1	ATAACTAGACAAGGTCTGAGCACTTT GGGTGGGGATGGAGTGAGAAAGGC
6828	Table 3A	Hs.333114	AV713318 cDNA, 5' end /clone=DCAAAC09 /clone_end=5'	-1	ATTAAGTTGGGTAACGCCAGGGTTTT CCCAGTCACGACGTTGTAAAACGA
6829	Table 1	NA	129A12	-1	GCGTTCTAGCTGGGCCAACAGAGCA GGATTTCGTTTCAGAAAACAAAAC
6830	Table 1	NA	129F10	-1	ATCATGTCTCATTAACAGAGTGAAGA TGGAGCAACGTCATCCAGCTTCTG
6831	Table 3A	NA	137D4	-1	TGGTCGCGCCCGAGGTACGGTTTTC ATGGTAGGGCTGAATGGAAGATGTG
6832	Table 1	NA	142F9	-1	CAGAAAGATAGGAGTGTGCAATGGC AAGGAAACTCAATTTAAAGCAAATT
6833	Table 3A	Hs.250655	Prothymosin, alpha (gene sequence 28)	-1	TTGCAAATTCTCATGGTTTGGGTTGG GTGGTGGAGAGCGCGTGTCATCTG
6834	Table 3A	Hs 249495	heterogeneous nuclear ribonucleoprotein A1 (HNRPA1), transcript variant 2, mRNA	-1	TTATTCAGCGTCACGATCAGACTGTT ACATTTAGCAATCAACAGCATGGG
6835	Table 1	NA	149G2	-1	TGTGTGTATGTGTGTAACCAGGTCTG ACTATAGCTTGGTCTGTGTGTC
6836	Table 1	NA	149A11	-1	AGCATTTGGGGTTTTAGCTTTGGTGT CCTAAATTTCAGTGATCTTTGCCA
6837	' Table 3A	NA	151F11	-1	CATAAACCAGCAGCTCAGCGTTTCTA TAGCAAGCGGTCTCGAGCACAAGC
6838	Table 1	NA	162E8	-1	TAGTGATAGGCGTGGTGGCGGCGAA GGTCAGTAATGGGGCTTTTAACCAG
6839	Table 3A	Hs 334330	calmodulin 3 (phosphorylase kinase, delta) (CALM3), mRNA /cds=(123,581)	-1	TACTGTAGAAAGAAGAAGAGCACACA TGAGACAGAGAAGGAGGTGGATGC
6840	Table 1	NA	170F7	-1	CGAGGCGGCCGGCAGGGTACCAAT TTGGATGAATTCTTGATAGATTTAA
684 ⁻	i Table 2	NA	170F9	-1	TTGGGTTCAGAATAGCTTCATCTACT GCCGAGCAAAGTCAATACAGCACT
684	2 Table 3A	NA	177A3	-1	GGTAACAGCCATCCCACCACCAATAA TCATCTCATTGTCTTTGTCCAGCA
684	3 Table 1	NA	331A3	-1	GTATGAATAGATTGCCCCATTCCCTG CCAGCCTGGTAGTGACTTTTCCAC
684	4 Table 1	NA	331A5	-1	TATAATTTCTACCAAACTAAGTTTTAT TTTGTGCCCGCTCCCTGTCCCTT
684	5 Table 3A	NA	146C3	-1	CTGTAAAATTCTTTTCGGGTCCATCC TGGCTCTCATCTCCAGTGCTTTGA

6846	Table 1	NA	146D8	-1	AGGGTTAACAAAAGTATGGAATTCAA TTCTTTTTATATGCTGCAGCCATGTTC CTG
6847	Table 3A	Hs.153	ribosomal protein L7 (RPL7), mRNA /cds=(10,756)	-1	CCCAATCTGAAGTCAGTAAATGAACT AATCTACAAGCGTGGTTATGGCAA
6848	Table 1	NA	158G6	-1	CCGAGGTACTCTCTTAGAGAAAGGTG ATTGGATGCTCCGGTTGCCTGTAA
6849	Table 1	NA	158H6	-1	GCGGGTTGGAAAATAGTCGAGAATTG ACAGTCCCTCTCGAAGATGCTTTT
6850	Table 3A	Hs.119598	ribosomal protein L3 (RPL3), mRNA /cds=(6,1217)	-1	TTGAGACCCCACCAACTGCAAAATCT GTTCCTGGCATTAAGCTCCTTCTT
6851	Table 1	NA	158G11	-1	AATGAAAAACTCCAGCTCTCAGCTCA CAAATCTGTAATTTAGGTGTCTCT
6852	Table 3A	Hs.326249	ribosomal protein L22 (RPL22), mRNA /cds=(51,437)	-1	TCGTCCTGGTTAATCTGGAAGTAACG TAATTCGTAACTCTCTTTGCTGTT
6853	Table 3A	Hs.297753	vimentin (VIM), mRNA /cds=(122,1522)	-1	TCGGTTGTTAAGAACTAGAGCTTATT CCTATTCCAAATCTATCTTGCGCT
6854	Table 3A	NA	155H10	-1	AGATAAGAACTTCATCCTAAAGCATC CGGGCCTTGGCATCTTGTCCATGC
6855	Table 3A	Hs.108124	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	-1	ACTGATTTCATCAAGTTCGACACTGG TAACCTGTGTATGGTGACTGGAGG
6856	Table 1	NA	159F6	-1	AATCATTGGCTACCTCCCCCTTTT ACAGTCACAAGTCCAGATGTTTGG
6857	Table 3A	NA	166F3	-1	AATAAATCCCATACCTCCCATTGAAC TACCACCCACCCGACCACCATAA
6858	Table 1	NA	166F6	-1	CAAGACATTTCCAGCCAACTTCAGAA TGTAGATCTTTGAGCCAGACAGCT
6859	Table 1	Hs.8121	Notch (Drosophila) homolog 2 (NOTCH2), mRNA /cds=(12,7427)	-1	GAGGTACTGGCCTGTGAAGCCCTGA AGGCACTGGCACTGGTAGGAACCAG
6860	Table 2	Hs 25130	cDNA FLJ14923 fis, clone PLACE1008244, weakly similar to VEGETATIBLE INCOMPATIBILITY	-1	ATCTTCTGTCAAAGTCAGTCGCTGCT CCAAGATTGAAACAGTCTGTGTCA
6861	Table 1	NA	PROTEIN HET-E-1 /cds=UNKNOWN 168A9	-1	TGGATGGATTTCCAAGTGGCCTCATA TTTATCATGGTGCTTTAAATAGCA
6862	Table 1	NA	171F11	-1	TTCAGCTTAGGGAAAGAGAGATACAT TTTAGATTATAGAGCATCGCCTGC
6863	Table 3A	NA	171G11	-1	ATCTTCCTATGTGCGCCAGATAATGA TCAAGTTCACAGGTGGTCTTACTT
6864	Table 1	NA	175D1	-1	AGTTTCTTAAGTCAAATGACACATTAG CCCACGCAATTCCCAGCCCCAGC
6865	Table 1	NA	182H1	-1	CCCTCTTCTGACATGAATTAGGCATA ATTTAGCAATCGGTTCTTCCCAAA
6866	Table 3A	NA	184B5	-1	ATACAGTGAACTGGCCACTGGCTGTT TGCTATATAAATGGTATACTGCTT
6867	Table 3A	NA	184D2	-1	AGGTTACTTAAAAGCATCATTGGCGT GGTCCTCTCACTACCAAAGGGCAG
6868	Table 1	NA	184H1	-1	CTGGGGTCAGCAAAGAGGGGGTAGCA AGTGTGCCTTAGAGATGAAGAAATG
6869	Table 1	NA	46D1	-1	TTTAGAGTACTTAGAGGAGGACCAGG AAACACTGAGACAGACACGCAGGC
6870	Table 1	NA	98C1	-1	TGTTTGAAAACTACCTTCATGGGAGC AATGACAAGCACATGTCTAGGATT
6871	Table 1	NA	98C3	-1	TTTGTGCCAAGGTTTGGGATTTTGTC TTCTAGAGCTTCTTCTCTATTGGT
6872	Table 2	Hs.205442	601439689F1 cDNA, 5' end /clone=IMAGE:3924407 /clone_end=5'	-1	TTTTTGACGCTCTCTCACTGGTCTTG GCATTTGATGTTTCTGTTGAAGCC
6873	Table 1	NA	98H4	-1	CCTATAATGGGGGAAAGATGCTGGTT AGATGTTTATTTTAGTGGGCTTGC
6874	Table 1	Hs.169363	GLE1 (yeast homolog)-like, RNA export mediator (GLE1L), mRNA	-1	CCACAAACACACCCTGCCACAAGACA TTTAGCACAGAGGAACAGATCCAT
6875	Table 3A	NA	113F12	-1	GACACCACAACTCACCTCCTCTATTA TTAGAGATCCCGAGACATTACGGC
6876	Table 1	Hs 30212	thyroid receptor interacting protein 15 (TRIP15), mRNA /cds=(15,1346)	-1	TGTTACAATTTCAGCAGTTGAATTCA GTGAACACTGGTTGAGGAGTGCCT
6877	7 Table 3A	NA	173A10	-1	CCTTCCGTATTCTCCCAAGTATTCAC AAGCCCTCCCTTAAAACCCTCTCT
6878	3 Table 3A	Hs.334853	hypothetical protein FLJ23544 (FLJ23544), mRNA /cds=(125,517)	-1	ACAGCCATCTGGGATGAGCCGCTTTT CAGCCACCATGTCTTCAAATTCAT

Table 8

			Table 0		
6879	Table 3A	Hs.20252	DNA sequence from clone RP4- 646B12 on chromosome 1q42 11-42.3. Contains an FTH1 (ferritin, heavy polypeptide 1) (FTHL6) pseudogene, the gene for a novel Ras family protein,	-1	TAACTGAATACAGTCTCATCTTGCCG CGCCTGGCTTACCTATCTGTGGAA
6880	Table 1	NA	ESTs, STSs, GSSs and a putative CpG 174D1	-1	AGGTACTACACAAGGTGTCAGATGG GGTTGCCACAATGACTAGGACAAGA
6881	Table 1	NA	45B9	-1	CCAAGAAGACAGAAGGAAGTGTCGA ACACCATGACAAGAGCTTGCCAGAA
6882	Table 1	NA	45H8	-1	GAGAGCTTTCTCCCCGCCTTCAGTTT CTGATGGATCTAGCCATGTTGAAA
6883	Table 1	NA	111H6	-1	TAAAACTTTCTGCCAGGGTTCCAGAG AAAGAGTAATTTCCTTTGAGTACC
6884	Table 1	NA	111E12	-1	CGCTCGCCGGGCCAGGTACCAAAAC TTTCATAATAAAAGGTAGGAAGGAT
6885	Table 1	NA	111H11	-1	TGACTTCATTGAAGGCTCCATCACCC AAAGTAGATGTTAAAAACCTTAAT
6886	Table 1	NA	112H3	-1	TTTATGTGGAAGGCTTCCCTATTACC TCCCAGCGAAATTCGTAGTCTTTC
6887	Table 1	NA	112E9	-1	TAAAATGTTGCCAGTGGAGGACCGAA TCAAGGTTATTGCTGACCTCATTT
6888	Table 1	NA	114G3	-1	AGATATGTTCTGAGCCCGCCCACAC ACTGCCTGGTTACAGGGAGAGAAG
6889	Table 1	NA	117H6	-1	GAGGTTCCTTCATCCCAGAAGAAGCA
6890	Table 1	NA	165E7	-1	ACAGGATTTCCAGATCAGGGCAAC CTGGTCTGTGTCGTTGGCTTTATGAC
6891	Table 1	NA	165E11	-1	AGGAAGTGCCTGTGGGTTATCTTA CCCAACGCTTGTGTGCGTATGTATGT
6892	Table 1	NA	165F7	-1	GCATAAAGGCAGCCATTTCCATTCTC
6893	Table 1	NA	176A6	-1	TACATTCTCTAGTGATAGCAGAGG CGTTACGCAATGGAGAAGTCCCCTTG
6894	Table 1	NA	176G2	-1	AGGCTGAATAATCACATCTGTATC AGGCCAAATCACCGCACAGTTGAATT
6895	Table 1	NA	176E10	-1	GCTGATTCTAATTGGTAACAATAA TTGTAGTGTAATTGTGTGATACGCAA
			176F11	-1	ACCTTTAGTTAACCCAAGTGATGA CCTTGTTGCCGTGGGTATATGCATGA
6896	Table 3A	NA		-1	TCTTACCTTTTGTTTGACTATGAA AAATGATATGTTAAGCACCCAAATCTT
6897	Table 1	Hs.232400	heterogeneous nuclear ribonucleoprotein A2/B1 (HNRPA2B1), transcript variant B1, mRNA	-1	CACATGGAGGGGAAGGGGGTGGG
6898	Table 1	NA	71F2	-1	GGCCAAAGCTGTTTATTATGAGATCT TTGAGTGGAATCAGCATGTCTCCC
6899	Table 1	Hs.172028	a disintegrin and metalloproteinase domain 10 (ADAM10), mRNA	-1	TTAACAGCATTGAAGGTGAAACAGCA CAATGTCCCATTCCAAATTTATTT
6900	Table 1	Hs.180610	splicing factor proline/glutamine rich (polypyrimidine tract-binding protein- associated) (SFPQ), mRNA /cds=(85,2208)	-1	AGGTACGAAAATACATTCTGGCATCA CACCCCTGAACCCAAGACTGTTCT
6901	Table 1	NA	124G4	-1	GAACTACCTACTGGCAGTTGGGTTCA GGGAGATGGGATTGACTTCGCCTT
6902	Table 1	NA	124C8	-1	AGAGCTAATATACAGAGTACCTGACA CACTACCTCACCAACAGTTTAACT
6903	Table 1	NA	124F9	-1	GCCCAGGCAACAAGAATACTTTATC TTTGATCCGTTCTGTTTATCCAGT
6904	Table 3A	NA	127A12	-1	CTGAGGGTAGACTGTGGGCAAAGAG GACAACTCTCCCTCCCCTAAGGGAC
6905	Table 1	Hs.50180	601652275F1 cDNA, 5' end /clone=IMAGE:3935610 /clone_end=5'	-1	TGCCCAGACCTATTTCCTTAGGACAG TATTCTAAAGTTCAGTAGTCCAGT
6906	Table 1	NA	161E8	-1	GCCCTGTCCCTTGAGAGGCTCACAG CGATGGAGGCCACTTTTGTTGTTTG
6907	Table 1	NA	186E8	-1	ACCAAAAAGGGCTACATTACCACCAC TGTATCATAAAAGCCAGCCACCTT
6908	Table 2	NA	191F6	-1	AGCTGACGATTTTCTATCCCGGCCTA TAGTGCATGTATGGCAATTGAGCA
6909	Table 3A	NA	193G3	-1	CCCCAAAACAAACAAAATAAACCACA CCAGATATCAGTCACATCCTTGAA
6910	Table 1	NA	194C2	-1	AGTCTGTTATTGCCTGATTTTGTCCC CACCTTGTTCAAATTTCCAAAGCT
6911	db mining	NA	458C6	-1	CTCACAGCCGAAGCTCTGATCCTTTG TTCTCAGGAAACACTCAGGAAGTG

6912	Table 1	NA	458E4	-1	AGAGAAAATGAGAGACAGACAGTGA GTGGGAAAGTCAGCGAAAAGGAAAA
6913	Table 1	NA	458G10	-1	TCCTTGAGTTTATACACCGTGCTATG
6914	Table 1	NA	459B3	-1	AGTGATGACAGCCAATTCCCATGC TCGCTTCAGGGGTCAGCCAAAAGATA GACAGCCAGGTAACTTGAGTGGAC
6915	Table 1	NA	459D2	-1	GGACAGCCAGGTAACTTGAGTGGAC GGACAGTACCAAACACTCCCCTCCTC CCCTCTGCCTCTTTGCTTACTTAG
6916	Table 1	NA	459E6	-1	GACCAAATACTGAACTTCCACCCTGC ATAATAATCATGAACACCGCACCA
6917	Table 3A	Hs.20830	DNA sequence from cosmid ICK0721Q on chromosome 6. Contains a 60S Ribosomal Protein L35A LIKE pseudogene, a gene coding for a 60S Ribosomal Protein L12 LIKE protein in an intron of the HSET gene coding for a Kinesin related protein, the PHF1 (PHF2) gene coding for alternative splice products PHD finger proteins 1 and 2, the gene coding for five different alternatively spliced mRNAs coding for a protein similar to CYTA (CYCY) and identical to a polypeptide coded for by a known patented cDNA, and the first two exons of the gene coding for the homolog of the rat synaptic ras GTPase-	-1	AGGTGAGCAGTGCCTCAGATACCTG CAAAACCTTTCTGCACAAATGTGCT
			activating protein p135 SynGAP. Contains three predicted CpG islands,		
6918	Table 3A	NA	460D5	-1	CAGATCCAATGAGGGTCCCATCTCTT CCCACTTCAATCCCGTGTTGTTCT
6919	Table 1	NA	460B9	-1	CCAACCAAACCATCAAACAGCAGGGA GCTAGTGAAGAGGTCTATTGTTCC
6920	Table 3A	NA	461A4	-1	ACATCGCCTAAAACCGTGCATCGTAA
6921	Table 1	NA	461G6	-1	ACATTTACCTCAAAGTCATCCTCT TTTTCACTCCTCTCAGAGTCTACTCC
6922	Table 1	NA	461D9	-1	ACCTCTCCTCACTCCCCAGGACAC AGATCTGTGTTCGTCTCTAGGTAATA
6923	Table 3A	Hs.80768	chloride channel 7 (CLCN7), mRNA	-1	GGAAACACAATCCAGACATGATCT TTCATGAACTCGGAGAGGTCCATGGT
6924	Table 1	NA	/cds=(38,2455) 461H7	-1	GCACTCCCGCTCGTCCTGGGACAC CTGGCAATATTAACTTGGGTTCTGTT
6925	Table 1	Hs.333513	small inducible cytokine subfamily E, member 1 (endothelial monocyte- activating) (SCYE1), mRNA	-1	TCATCTCTGGCTATAAGCCATACA TGCCATTCTTTTGTTGAACCTGTAAA GGTAAGGCCCAGATTCTGAAACCT
6926	Table 1	NA	463A5	-1	TAAAGCACTTATGAGAATGCTGCATT TGTACATGAGCTACGCCTCATCTT
6927	Table 1	NA	463B2	-1	GCACCCACCTCCTCAGTTCAGACAAG
6928	Table 1	NA	463C5	-1	CCCAGCACCCAAATACCACTATCT AGCGCATGAGTGACTCCCATCTATAT
6929	Table 3A	Hs.40919	hypothetical protein FLJ14511	-1	ATGTCAGTCGTCTCTGGTGCAAGG GAAACAGTGGCCCGGGTCGTAGTGC GCTGTCCAGATCTTCACGCTACACC
6930	Table 1	NA	(FLJ14511), mRNA /cds=(22,1272) 463H5	-1	AGTGCATTCACACTGATGATAAACGA
6931	Table 1	NA	463A7	-1	TAGTAGCTTCACAGGTTTGCTTCT GCTTCAAAATTCCTTACCCCCAACCT
6932	Table 1	NA	463B10	-1	CTGGCACCCCAAATTGTATCACTA GAGGAAGGGCTGGCTCTTACTCCCC
6933	Table 1	NA	463C7	-1	ACAAGAGGTGTTCCTTAGGCCACAC CCAATCTAATTTAAACCCTCATAACAG
6934	Table 1	NA	463F10	-1	GACATAAGCTTGCGCCCGCATCT TGCTCAATGTTTTGCACTGATTTTATT
6935	Table 1	NA	464C2	-1	CAATGTTTTGAAGGGCGTTATGA TGCTAACAACAGCTTCTCGGTATGTT
6936	Table 1	NA	464C5	-1	AATATTCTGCTAACTCCTTTCTCA GGAGGAATGGCTGTGCCCGTCCCCT
6937	Table 1	NA	464C10	-1	CCACTTAAGCGACCTGAGTCTCCAG ACACACACTTAAGAGTACAGATGAGA
6938	Table 1	NA	464D8	-1	GCCAAAAATAAGTGGCAGGTCTTT TTTTGTGACTGTGCATGCTTGAAAAG
6939		Hs.221695	7k30d01 x1 cDNA, 3' end	-1	AATAAGTTTTCTGCAGCTGTGTCT CTTGTCTGTGGCGTGGC
	Table 1	NA	/clone=IMAGE:3476785 /clone_end=3' 464E7	-1	GGTGCTCGGTTTGTGTTGTTGAATG GAATTCTGAATACATGTTGGACTGTG
0940	I able I	19/1	10 TL1	,	TTTCTTTGACCTGTGTTTCCTAGG

6941	Table 1	NA	464H12	-1	TGAGTCCTTGGCCTCAGCTTCTAATC
6942	Table 2	NA	465B3		TCAAACCTAAAATAGATTGCGTTT
			40000	-1	TCTTCTCGTCTTTGCTATTAAATTTCT TCACGGACCATGCATCTGGAGGA
6943	Table 1	NA	465G2	-1	CCAGAGACTCCTAAGCAGAATCAAGG ATGTGTGGCATAAGCATGAGAGCC
6944	Table 1	NA	465H5	-1	CCCATAAAGAGGAATAAGCTACTGTC
6945	Table 1	NA	465A12	-1	CTCAGCTCTTGTTAGCTCAGGCTT AGAGTTTGTAACACAATCCAGTCCAC
6946	Table 1	NA	465F7	-1	ATGCTTATCCAATCCCATCATCCA AGCTCAAAATATGGCAAAGTGATGAT
6947	Table 1	NA	465G8	-1	TTCGTGTTAATCCTAGAAACAGCA
					TGGGTCTGCTTTCACATGAAAGTGCT ACGAATTCTCTTTTGTGCTGAGCC
6948	Table 1	NA	465H10	-1	GGATGAGCCCACTCACAGCACCAGA TTTGTACTGAAAGTACCTTAATATC
6949	Table 3A	Hs 136309	DNA sequence from clone RP4-612B15 on chromosome 1p22.2-31.1. Contains the (possibly pseudo) gene for a novel protein sımılar to 60S ribosomal protein L17 (RPL17), the gene for CGI-61, endophilin B1 and KIAA0491, ESTs, STSs, GSSs and two CpG ıslands	-1	AACCCAAATCCAAATGCCAGGATAGA AGAATTTGTTTATGAGAAACTGGA
6950	Table 1	NA	515C12	-1	CGCTTTTTGATCTGATTACTATTTCAC ACAGGTTACAGCTATGACCATGA
6951	Table 1	NA	515H10	-1	CTGCCGCTAATTCACTAGTAATTTCG
6952	Table 1	NA	55G3	-1	ATCGTCCGCCCTCCAGGTACATAT AGGCGTGCTATTAATTATCCCATACC
6953	Table 1	NA	55F9	-1	CTCCTTACAGAAATTACACTCGCA GGGAGAAGTTCTTTAAACTAAGGGTA
6954	Table 3A	NA	99E7	-1	CAAAATGAATTGAATGCTGGGGGC ATTAGCGTGTTCGCGCCCGAGGTAC
6955	Table 1	Hs.319825	103C4	-1	ACCAAAACCTTCAGAAAGCAAAGTT
					AAGATATGAAATATGCCTACCCGCAG AGCTTGGCACAAAGTGGAGTCAAT
6956	Table 1	Hs.17481	mRNA; cDNA DKFZp434G2415 (from clone DKFZp434G2415)	-1	GTACAGAGATCGGATCACACAAGCC CGGAGACAGTGCAGCTTCTCCACTG
6957	Table 1	NA	116C9	-1	AATGCACTTGTGATAAACTGACAGCA GGGTTAGACATTACTTTCAAAGCT
6958	Table 1	NA	128F5	-1	CCACTGCTCAGGAAACTGCCTGTTCG GTGCTCCTCCAATTCAATT
6959	Table 1	NA	135F10	-1	AGTGCTGGTATAACTGCAGAAAGAGA
6960	Table 1	NA	189F3	-1	TAGAGAAGAGAGATCAGTGAGAGC AAGTCAGGACCTTTGCACTTGCCCCG
6961	Table 1	NA	189A8	-1	CCTCTGCCTTCACAGCTCTTCTCA TAATCAGGGAAGAGCTTGAGATCATT
6962	Table 1	NA	195H12	-1	AGCAACTGAACTGAACAGGGAGTT CTGGGTCACGTCGCCCACCAATGGT
6963	Table 1	Hs 292457	Homo sapiens, clone MGC:16362	-1	ATCTGTGTGGTTAGGCATTAGGCTG GGTGGTAGGTGAGTGGGTATTGCGG
		,	IMAGE:3927795, mRNA, complete cds /cds=(498,635)	-1	GCTAGTATCCGAGCAAAAGATGGTG
6964	Table 3A	NA	466C4	-1	CAGCCCTGCTATCTCTGGTTGTTCAT
6965	Table 1	NA	466D1	-1	GTACTTCTGTAAGGTGGAGACCCT GAAGGTGAGAAACCCGAGAGACACC
6966	Table 1	NA	466G2	-1	AACTATGATTTTTACTTTTCCTGGT ACCACCCCTCCCTTCCCT
6967	Table 1	NA	466H5	-1	TCATCTCGAATCTCTCTCATACAT CTCTTATCCTGCTCTGCCCTGGAACT
6968	Table 1	NA	466B7	-1	TGAACCCCAGTGCCAATACTCATG
			40007	-1	CGACCTAATCTCTGTCCCCAGAAGGC AGACCAGGACTCCAGCCCCAGGAG
6969	Table 2	NA	466B10	-1	GCCAAATCTTTGTCCTGTACAAAGTA
6970	Table 1	NA	466C9	-1	CAGATGTTTTTGACTGAAGTTCCA GCCACAGTGAATAAATACAAGGCAAG
6971	Table 1	Hs.7187	mRNA for KIAA1757 protein, partial	-1	GCTCATAGGTAAAACAAGTTCTAT AGTGGAGTGTTTACACCTTGCTGTAA
6972	Table 1	NA	cds /cds=(347,4576) 121F1	-1	CATTTGAACTTTCACAAGAGATGT AAACCCACCCATCATTTGCCCTGACT
					ACCCATCTCCCGATTAATTCACCC
	Table 1	NA	121A11	-1	AGGGAACAGAGCCAGGATTTAAACTC TAACAATTTGTCTCCACAATTGCA
6974	Table 3A	NA	121F8	-1	CTCCTGGCACGACAGAACTAGTAGTT TCCATGTCTTGAGGACATAGGTCC

6975	Table 1	NA	178B2	-1	TCGAACCTGTTCCAGGTATGCTGATA
6976	Table 3A	NA	178B5	4	GATGTCGGTAGGGCATCCTTAATT
0970	Table SA	INA	17000	-1	GAGGTACTATAAACCAGATGCCCAAA ACACCTGCCCTCCTGGGTTGGCCG
6977	Table 1	NA	178F5	-1	ACATTCATCTGTTTCCACTGAGGTCT
6978	Table 1	NA	178C12	-1	GAGTCTTCAAGTTTTCACCCCAGC TTAGCCCTTTTCTGCGCTAATTAGAAT
					TTCAAGCGTCACAGAGCCTGGGG
6979	Table 1	NA ,	462A11	-1	TTCAACGAGGTGAACCAGTGTGATGT CTGTGGGGAAAACACGTAGTCAGG
6980	Table 1	Hs.13231	od15d12.s1 cDNA	-1	GGAAAAAGAAATTTCCTGAGATTTC
6981	Table 1	NA	/clone=IMAGE:1368023 462D9	-1	CAGTGTATACAGAAGTGTCTTTCCAT GAGTTCACGTGGGGTGGCCCTCCTC
••••			40250	- 1	AGTGCTCTTAGGGTACTGTACTGTC
6982	Table 1	NA	462E8	-1	CCACCTTCGAGGTCCCTTCCGGCCTA AGATGCCTGAAATCTCCAAGGAAA
6983	Table 1	NA	462F9	-1	ACAAGGCAAAGCTTAAAGAAACACTA
					AACGAATGAGTGAAAGAAGCGGAG
6984	Table 1	NA	462F11	-1	TTCTCAATAACAAACCCAGGGCTTTC
6985	Table 1	NA	462G12	-1	ATAAATGCATGATCAAAATGTGGA ACAGAAAATAGGGTGTATATCAGCAT
0000	Table 1		402012	-,	TACGCTGATTCAGCAGAAGATAGC
6986	Table 1	NA	462H9	-1	TCTCGACTGACACCCACTATAAATTC
6987	Table 1	NA	472B1	-1	CCTGGGTTGAAAAACTTTTCTTTT TCCAAACCCCTCCATTACAATCTAAC
6988	Table 1	NA	472C1	-1	ACACTTCCCCCTACATCGTCTCCT
0900	Table 1	INC	47201	-1	GCATTTATTTTCTTCTACAGAGAACCT GGCGGCTGGGTCTGGGAAAGAGC
6989	Table 1	NA	472E6	-1	ACCCACAATTAGTGAGAGTGCCCTTG
6990	Table 1	NA	472F4	-1	AGCTTGAGATTCCCATTCCTCCTT TGGATATAAAGTGTGTGTTCTGACAG
6991	Table 1	NA	47202		AAAATGGGGAGAAGGTGGCTATTT
0991	•	IVA	472G2	-1	GCCAGAAAATCCTGGTTTCCCTGGTG TCCCCTCCAATCTCTTTTACCAAA
6992	Table 1	NA	472D7	-1	CCATTGTCGCCCGGAGCTGGAAAGA
6993	Table 1	NA	472G12	-1	TAGTTTAGAGAATGCCTTAGCACTT CAGCACCCAGTACAGGTATGCAGGA
6994	Table 1	Hs.75354	DNA foolsta a code on a constitution		AGGACTCGCTTGACTTAGAGAGTGG
0334	Table I	HS.70004	mRNA for KIAA0219 gene, partial cds /cds=(0,7239)	-1	AACACACCAGAAGGAAAAGACACAGA CAGGGAATGAAGCCTGCAAAGTCC
6995	Table 2	NA	6400		OTA 4 CTO 4 OTO 00000 A A CATTO 4 T
0330		NA.	64G9	-1	GTAACTCAGTGCCCCCAAAGATTCAT AGTCAGCAGGATTGGCCAGCAAAT
6996	Table 1	NA	467E5	-1	CGCCCCAAATATAAAATCTCAATACC AGTTCCTTTTCCCCAGTACCCCAG
6997	Table 1	NA	467A8	-1	AGTCACAGGATGTTCTCTGCACCTCA
6998	Table 1	NA	467C9	-1	TCTGCAACTCTGAGCCTTACTCAA GTTAGAGCCCTCGTGCCCTGCTTCTT
			407.03	-,	CAGCTACCATTTCTCTCTGTGACC
6999	Table 3A	NA	467F8	-1	CCACCACACCACACACACAAAAGT CAACCCACACGAATATACCGGAAA
7000	Table 1	NA	468E6	-1	CAGTTGGGCTGTTAGTAGTCTGTCAC
7001	Table 1	NA	468B9	-1	ACAGGTGAGAGGAGCAAGAGATCC AATCTATTATCAGGCATTTAATCACTG
			40000		AGCACTCTTCTGTCCCACACTGT
7002	Table 1	NA	468E10	-1	AGAGGAGTGACGGTGAATGGTACTG AAAGCGGTTGTAAATTGCGAGAGAG
7003	Table 1	NA	468F10	-1	TCTCCTTGTTCTGATTCTCTCCCCATC
7004	Table 1	NA	468F11	-1	TACAACAACTCCACTCCCCAAAG CACCTAACCAAGCGGGTTGGGCTGA
				•	TGACCGATGACCGTAAGCAGTAAGG
7005	Table 1	NA	468G12	-1	ACCTCTTCTTTAGCAACACTAACCAC TCCACACTGGGGAAATTATACTCT
7006	Table 1	NA	468H11	-1	ACTACCGCACAACAGAACACATGACC
7007		NA	469B6	-1	AGGTGAGTGCAGACACGACATCAG CAGTTTTACTCCTGGTCATCTCTTGT
	Table 1			•	
7008					GAGTGTGGATTCTTCTCTGCCCCT
	Table 1 Table 1	NA	469D2	-1	TTTTATTTTGGCTGAAGTTTGGGTATG
7009			469D2 469A10	-1 -1	TTTTATTTTGGCTGAAGTTTGGGTATG GCTGCTTGTTGGCCTCTGCTGGG ACAGCTTATAAAGCACTTTCTCATGC
7009 7010	Table 1	NA		-1	TTTTATTTTGGCTGAAGTTTGGGTATG GCTGCTTGTTGGCCTCTGCTGGG ACAGCTTATAAAGCACTTTCTCATGC ACTTCTTCTCGCCGTATTTGCACA
7010	Table 1 Table 1 Table 1	NA NA	469A10 469E12	-1 -1	TTTTATTTTGGCTGAAGTTTGGGTATG GCTGCTTGTTGGCCTCTGCTGGG ACAGCTTATAAAGCACTTTCTCATGC ACTTCTTCTCGCCGTATTTGCACA GGGGCTCAAACCTGTGACTTACTGCT AACTAACATCAAAGGAAAAGCTGG
7010	Table 1	NA NA	469A10	-1	TTTTATTTTGGCTGAAGTTTGGGTATG GCTGCTTGTTGGCCTCTGCTGGG ACAGCTTATAAAGCACTTTCTCATGC ACTTCTTCTCGCCGTATTTGCACA GGGGCTCAAACCTGTGACTTACTGCT

7012	Table 1	NA	469G8	-1	GACAACAAACCTGCTTGCTTGGTTAC
7013	Table 1	NA	470B2	-1	CCACAGCGCACTGAGTATAGAAGT TCTTCAATTATTCATGCTCTAAGGCA
7014	Table 1	Hs 118174	tetratricopeptide repeat domain 3	-1	GTGTCTGTCTTCCCACCATCCCGC TGAGTATTTTTAAAATCCCCTGTTTGG
			(TTC3), mRNA /cds=(2082,7460)		ATGCTTCCAGCTAAATAGTCTACCT
7015	Table 1	NA	470C3	-1	TGGGTTTACTCAGATCTTCTCCTTCTT AAGTGAGAGTTTTAACCTACATTTT
7016	Table 1	NA	470D5	-1	GTCCAGAGCTAGAAGAACCAAGTCTT CCTTTCTTCATTCATTGTTCAGGT
7017	Table 1	NA	470E1	-1	CTTCTTCTTAGGATCTGGAGGGAGGG
7018	Table 1	NA	470E5	-1	GAGTGTTAGAGCTTGTGAGCCATG CTGAACGAACCAGTTCTTTTGGACTA
7019	Table 1	NA	470F3	-1	CCAGTTCTTGAAGTGAAGCTCAGA AACAAAAGCACTGACAAGCTCATATG
7020	Table 1	NA	470G6	-1	AACAGGCTAAAAAGTGAGTGAAGT TTCTCTTTCTATATCTAGCTAAATTGC
					CTGTGCGCCTCCCATCCTCCTCA
7021	Table 1	NA	470B8	-1	ACACACTTGATAAATTAGACCGATGC AAACCGCAAGAATCCAAATCAGCT
7022	Table 1	NA	470G10	-1	ATAGTAGGTGAGCCAGTAGTGTGAAT GCTTGTCAAGCTTCCAAGGATGGA
7023	Table 1	NA	471D6	-1	AACCACCACCCAGCTTCCTGGTACAA
7024	Table 1	NA	471F1	-1	GCAGGGACTCTGGCTACAGTGCTA TTTCCTCCCCTCCCTCCCAATCCAC
7025	Table 1	NA	471F4	-1	AAAACACGTAATTCTGACTATCCA CAACATTCACAAAACTGGTCCCCGAA
			471F6	-1	TTAGTGAGAAGGTTCCAGGAGTGC GAGAGATTATAGCACAGTCTCCCAGG
7026	Table 1	NA			GCTCAGTCAGGTCATCCGCAGCAA
7027	Table 1	NA	471E9	-1	TTCAATGCTTTGTCCTCCCCTCGCAG ATGTTTAGAACAGATCCTCCTTCT
7028	Table 1	NA	471E11	-1	TCCCTCTCTCAGGGCTGGGAAAGAAA GGTTCATCTTCACTCAGATGCAAG
7029	Table 1	NA	471H11	-1	TTCTGTTGGTCTGCCAGCTCATCCAT
7030	Table 1	NA	473E4	-1	TCATCCATCACCTGCCAGCTAGAC ACACAGTTTTGGCTCCCTTATTTTCC
7031	Table 1	NA	473F3	-1	CCGTACTCGAAACATTTCCATGCA ACCAAATCGCAAAAATACAGAATGCC
7032	Table 1	NA	473E11	-1	TGTAAATTGAGTCACACCTTAAAA GAGTCCATAAATCTGCATTTCATGTA
					GTTGTAAGACTTTCTCCCAAAGGT
7033	Table 1	NA	476C1	-1	TCCATTTGAGTTTTCTTCCCATCTCTC ACAGTTGATTGTTCTGTCCCTTC
7034	Table 1	NA	476D3	-1	AAAATTCAGCCCTCCTGGATTCACGT GCCCAATGAAAGTCCCCAAACTAG
7035	Table 1	NA	476F5	-1	TTTAACAGGAAAAGCCCAAAATTATTT TTATGCTGTCTACAATCTGGGCC
7036	Table 1	NA	476G3	-1	AGTTGCACTGGTTGTTCTTGGCTGCG
7037	Table 2	NA	476G4	-1	GTGCTTCTCACACAAGAAGCCCAG TTTCCTTTTTCCCTTGTCCCTTGGCTT
7038	Table 1	NA	476A10	-1	CCCCCATCACCGAATCCCCCTTC CTCCCACGCCTGGCCGTAGTCCAGA
	,				GCTTCTTTTTCATGGTTGGGTT
7039	Table 1	NA	476G8	-1	GCCAGTGTACGTTGCCAGGCATTTCA TGTAAGAGAAAACTCAAATAGCCA
7040	Table 1	NA	476H10	-1	CCGTCTTCTTTTGGGTGTTTCCTCCT AGTTTCGGCGGAAATCAGAGTTCA
7041	Table 2	NA	477E1	-1	ATGAACCCTCACCTGCTCTGCAGTGC AGTTTTGATTTTAGTCCCAGCAAA
7042	Table 1	NA	477E6	-1	AGATATAGATGGTAAAATGTGATGCA
					ATGTAAAAAAATGGTAATACACACAC TCTCCA
7043	Table 2	NA	477A11	-1	TGAGTGGGCTTCTCTTATGGTACAGT CTCTTCTCTATGAGGGGCTTCAAA
7044	Table 1	NA	477D9	-1	TGGGCTTCCAAATGGTACAATGGAGT AATCAAGCTCATGGACTGAGAGTT
7045	Table 1	NA	477D10	-1	CTTGAAGCTACTTGTCCCTTTCTGTG
7046	Table 2	NA	480A3	-1	CCAGACCACTTAATGGCTACCCAC TTCCCAGGGCGCTCCATCTACAGCCT
7047	Table 1	NA	480B5	-1	TACTGTGACTCCACTCAGCACCAG ATTCCCCCTAAGCTCCTGTCCCCCGC
7048	Table 1	NA .	480D2	-1	CATGCACGACTGGTCACATCAAAA AAGACACACCCCTCCTGTTTAATAAA
1040	I ADIC I	ראר	40002	-1	AGTTGTCCCCTCGACATGCATAAT

7049	Table 1	NA ·	480E2	-1	CCTGGTTACAATAATGAAACTGTCGT GGAGTAAAGAGGGAAACATGACCA
7050	Table 1	NA	480E3	-1	AGAACCCACACACTGGGAGACAATAA CTGCCATTCATATAACCAACAGAA
7051	Table 1	NA	480F3	-1	CGCCACTGCTTAAAGATTACAGACAA
7052	Table 1	NA	480G4	-1	TTCCCAGGTAAAGTTGCCAGGACT ACAATGATGTTTGAAACGCACTCTGA
7053	Table 1	NA	480C8	-1	ATCTGTGAAAGCTAGATAAGTCCT GCCTTCCTCCTCCTCCTCTTGGGCC
7054	Table 1	NA	480D9	-1	TATGTCCTAGATAAGCCTGTTAAA TGTCAAGATGACAGATCTTAATCCAG
7055	Table 1	NA	480E7	-1	AGTGGAGGCTCGTTCGGCCTGGAG TTTATGTTTCAGCCTCTTTCTCCCG
7056	Table 1	NA .	480E11	-1	TTGAGTCCTGCCACAAGTCCTGC ATTGTCCAGGTGACTTGACACTTGCC
7057	Table 1	NA .	480F8	-1	TACCGGAAAAGTTGGGATGTTCTT TAAAATATGCCCTAATTTAAAGGGCG
					CAGGGTCCCACAACAAGCCACAGA
7058	Table 1	NA	487F11	-1	AAATCTCTTCTCACGTTCTGTTTGTCA TTTAATCACCAGGTTTTTAGCGC
7059	Table 3A	NA	499G1	-1	GCTACTGATGGGTGGCCCTTTATTCT TGTCTTTATTTGTTGTGCAGGA
7060	Table 1	NA	518F10	-1	AAAAATTGGTAGCTGCCCCCATGTGG TATGATGTTTAATTTGAACAACAT
7061	Table 3A	NA	524A12	-1	ACCCGGCACGTCTCCTCAACCCCTTA ATTCTTTTCCAGCTTTTCATATTA
7062	Table 1	NA	526B9	-1	CTCAAGAGGGCATAGACATTCCACAC GAGGACTGCATTCGTCAGGGTAAC
7063	Table 1	NA	583B5	-1	AACAAATACCCAATTAACTGTATTCCC CTTTCCCCTATGACTGCTGGTGT
7064	Table 1	NA	583D6	-1	CCGTTGTCCGAAAGCTTGCTTCCAAC TAAAGACCAGAGATGGGAGGGAGT
7065	Table 1	NA	583G8	-1	TTTAGCCCAAAGAAGACTTTCGCATA
.7066	Table 3A	NA	584A1	-1	AATTCTGCCGTAACCCTTGTTGGA CAAAGCAGCAAATACAGAGCACACAA
7067	Table 1	NA	584D3	-1	CAATCCTTGGCCTGAGCAGAACAA ATATGAAGATGGATTGGAT
7068	Table 3A	NA	DNA sequence from clone RP4-620E11	-1	GACAAAACGAAGACATGCCGGGCC ATGCCTAGTCAGTCAGTATTTCTTCTT
7069	Table 3A	NA	on chromosome 20q11.2-12 Contains t 591H9	-1	GCTGCAGGTGTCTAAAAACCCAC CCTTCGCATTCCCCCATCCATGCTCC
7070	Table 3A	Hs.6179	DNA sequence from clone RP3-434P1	-1	AAGATAATAGATTTTTCTTTAAAA GGGGAACACTTTGGTTTGAAAGCACA
			on chromosome 22 Contains the	-	GAGCAGTTTGCCATGTTTCTTCTG
			KCNJ4 gene for inwardly rectifying potassium channel J4 (hippocampal		
			inward rectifier, HIR, HRK1, HIRK2,		
			KIR2.3), the KDELR3 gene for KDEL (Lys-Asp-Glu-Leu) endoplasmic		
			reticulum protein retention receptor 3,		
			the DDX17 gene for DEAD/H (Asp-Glu- Ala-Asp/His) box polypeptide 17 (72kD),		
			ESTs, STSs, GSSs and six putative		
7071	Table 1	Hs.44577	602388170F1 cDNA, 5' end /clone=IMAGE:4517129 /clone_end=5'	-1	ACTGAATGGTCGAAATCACATATGCA CCACACATACTGATCTTAAGTAAC
7072	Table 3A	Hs.108124	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	-1	CGAGGTACAGCAAAGCGACCCTTGG TGTCATAGATCAGACGGAAATTCTC
7073	Table 1	NA	119F12	-1	TACAGAAGAGCAGAGACCAACCTTCT CAAAGTTGGTGAGTATTAACCCAG
7074	Table 1	NA	119G10	-1	CCAGATTTGCTGATGTGTTAGGTAGT TGTGGCACACTCACCTGTCTTTCC
7075	Table 1	NA	485A6	-1	CTTTCCAGGTTTTCCCTTTCCGCCAT TGTTTTCCCGCTCGCTAAAGTGAC
7076	Table 1	NA	485D5	-1	TTGAACATTCGCAAAGTAACATCTCT
7077	Table 1	NA	489H9	-1	CACTCCCAACACCACAGCTTATCG AGTAACCACCAAAGCATAGTTTTAGA
7078	Table 2	NA	494B11	-1	AGGGCTTTCGCAAACCTAGCCTTT TCTTGCTTGTTCTTCTCGTTTTTGTTT
7079	Table 1	NA	478E5	-1	TATCTTCCGCCCGGCAGGGTCAG GCTCTGAAACCCCTGGAACTCTTGAG
7080	Table 1	NA	478G6	-1	CCTAAAATGTATTTTTACAATCTT ATCTTTGATGTGAAGCCCTTTAAAAAT
7081	Table 3A	NA	478H3	-1	AAACGTGAAGGTGCCAGCTTGCA ACCCAGCCTGATGTTCATCTTTTCCC
				•	CCTCTTCATTTTCCTTCTTTGTTT

7082	Table 1	NA			478C7	-1	AGAAAGACTAACACCAGAAATCATGC
7083	Table 1	NA			478G8	-1	TGCAACACCAGAACATCCTTTGGA TCACAAAATATGGCTCAAGGAGTATA
7084	Table 1	NA			478H7	-1	AATCCCCTCTCACGCACCCACAAA ACTAACCAACCAATGAGAATACTACT
7085	Table 3A	NA			479B4	-1	TACCTCCACCCATGCTGTGAACCC TGACCGCCTCAAAGGACCAAAAGGACT
7086	Table 1	NA			479D2	-1	CTACTCCATATTCTTCTCACTGTC GAATGACCACCTGACGCATTCAGAGC
	Table 1						TCACCTTCTTGTTCTTCAGCTGTT
7087		NA			479G2	-1	TTGGTAGAAACCACCAACCATAAAA TTCCCAAGCCTGTACTGGTCAGCC
7088	Table 1	NA			479G3	-1	CATAAGTTGGGTGAAGAAATGGTGGT TTTAATCAGTAATATAGCTCCCCC
7089	Table 1	NA			479G5	-1	TTCTCATCTCAATATCCCCCAGAGCC CCAGTACCTCATAATACAAGACTT
7090	Table 1	NA			479G6	-1	CTATCAGGCCCTCCAGATAGTCTTCT ATAAACCAATGATTCAGCAGGACT
7091	Table 1	NA			479H4	-1	TACCCAAAGTCTATTCGTAAGTGCAT CTTTTCTATTAGACTGGAAGCTCC
7092	Table 1	NA			479H5	-1	GATGGTTCAGCAACTGAGGAGCTCA
							GGGTGACGGGTCCACAGAGCACAGA
7093	Table 1	NA			479H6	-1	AGAAATTAGAAGATGACTACCATTTG CTAAAGTCTATCCACATGCCAGCA
7094	Table 1	NA			479G12	-1	CCCCCTCGACCCCCTCACACCCTTTC CAGAGAGGCCTTAAGATTCCCATT
7095	Table 1	NA			479H12	-1	TGTAAGGTTTCATAAATTTAGAGACC CTAGCCAGTCAGTGACAATATGCA
7096	Table 1	NA			482A5	-1	GAGTTGCTTATTCCAGTCTCTCTAAG ATATATCTCCCTTTTTAGTTGCTGAC
7097	Table 3A	NA			483G5	-1	TGGTGTAATGAACATGCCGTATTGCC
7098	Table 1	NA			486C4	-1	TTTATGGCCAGTTTGAGTCCTTCC AGGGAACCCCAAAGAGTTAAAACCAG
7099	Table 1	NA			490F10	-1	GACCACTATTTCATAGTCAACAAA GTGGTAAATGAGAGCATTACAGACCA
7100	Table 1	NA			493C2	-1	CCCACATCAGCCTAAAATATAATT CCACCAAACCCAACAGGCCGGGACA
							AATGCAATACCATACAGAAACACAG
7101	Table 1	NA			58G4	-1	GGCCAAACTTTCTTACTCTGCCATTT GTTCAATGTCCTAATGAGCATGAA
7102	Table 3A	Hs.169370			DNA sequence from PAC 66H14 on	-1	ATCAATCGGGCCAATCCGAAGTCAGC
					chromosome 6q21-22. Contains FYN (P59-FYN, SYN, SLK) gene coding for		AATCTTGCATATGAGTCCATTCCC
					two isoforms. Contains ESTs and STSs /cds=(12,1706)		
7103	Table 1	NA			598H2	-1	TATTTTTAACAAAATCACACGGAAGG ATTTCCTTCCCGTCCCATGTGTTG
7104	Table 3A	NA	AA077131	1836605	7B08E10 Chromosome 7 Fetal Brain cDNA Library cDNA clone 7B08E10,	-1	CAGATAGTGGTATTTGGGTGCTGGG CTTGTCTGACCTGAGGAGGTGGCTG
7105	Table 3A	NA	AA501725	2236692	mRNA sequence ng18e12.s1 NCI_CGAP_Lip2 cDNA	-1	AACTCCATAGAGAAAGACTACGAATT
. 100	rable or	14/1	70.001720	2200002	clone IMAGE:929806 similar to contains	-1	TCGCTGGGAGGTAATAGGGAAGCC
7106	Table 3A	NA	AA501934	2236901	Alu repetitive element;, mRNA nh56a10.s1 NCI_CGAP_Pr8 cDNA	-1	GCATTTAGGAAAGACAGGTGAGTGTG
7107	Table 3A	NA	AA579400	2357584	clone IMAGE.956346, mRNA sequence nf33d05.s1 NCI_CGAP_Pr1 cDNA	-1	CCACAACTACCTAACACATCAGCA TTACTTTGTCTTCTCTCACCATCCTAA
					clone IMAGE:915561 similar to contains Alu repetitive element;contains		AACGTTGTTTTGCTGAGCATGAA
7108	Table 3A	NA	AF249845	8099620	isolate Siddi 10 hypervariable region I, mitochondrial sequence	-1	CCCCAGACGAAAATACCAAATGCATG GAGAGCTCCCGTGAGTGGTTAATA
7109	db mining	Hs.277051	Al630242	4681572	ad07c09.y1 cDNA /clone=ad07c09- (random)	-1	GCCTAAGTTTCCAGAAGACTTTGACG ATGGAGAGCATGCAAAGCAGGTAA
7110	db mining	Hs.277052	Al630342	4681672	ad08g11.y1 cDNA /clone=ad08g11- (random)	-1	TTTTGCAGTTCAAGGATTGGTGGGAA ACGTTTGTATGTGTTGGGGTGGGG
7111	db mining	NA	AI732228	5053341	nf19e05 x5 NCI_CGAP_Pr1 cDNA	-1	AATAGATTTCCATTTCTTCCTTCGAGT
					clone IMAGE.914240 similar to contains Alu repetitive element;, mRNA s		TAGTTGGGTATTGGGACCTTGAA
	Table 3A	NA	AW379049	6883708	RC3-HT0230-201199-013-c12 HT0230 cDNA, mRNA sequence	-1	CGACGGTGTTCTGGAGTTTCGATGAG ACATGTAAGTAAGAGTTCTGTGCA
7113	Table 3A	Hs.232000	AW380881	6885540	UI-H-BI0p-abh-h-06-0-UI s1 cDNA, 3' end /clone=IMAGE:2712035	-1	ATATTCAGCAGTGGCTGTGAAATTGG ATTTGAATTACCGGGATACATGCA
7114	Table 3A	Hs.325568	AW384988	6889647		-1	ACTGGTTTTCATTCTAGTGTCCCCCA CCCGTCTAGTTTCATTTTCCTGTA

7115	Table 3A	NA	AW836389	7930363		-1	TTGGGAGTCACCAGGTTAAAGCAAAG
7116	Table 3A	NA	AW837717	7931691	cDNA, mRNA sequence CM2-LT0042-281299-062-e11 LT0042	-1	CCTCAGTCACTGAAAGCAGAAACT TCCTGTGCTCCAGAATTAGTGATTGC
7117	Table 3A	NA	AW837808	7031782	cDNA, mRNA sequence CM1-LT0042-100300-140-f05 LT0042	-1	TTTGGTGCTTAACTTGAAGTGGGA CATCTGCTCTGCTTCCTCACACACTA
					cDNA, mRNA sequence		GAAACACCACTGCCCCCATCCATG
7118	Table 3A	NA	AW842489	7936472	PM4-CN0032-050200-002-c11 CN0032 cDNA, mRNA sequence	-1	TCTGTGATTTATAGACTGTTTTCAGGA AACGATCTTCCCATCTGTGGTGA
7119	Table 3A	NA	AW846856	7942373	QV3-CT0195-011099-001-c09 CT0195 cDNA, mRNA sequence	-1	TCATTTCAGGTCTAATAAACACACTAA CCTCGGCAGCACTGGAGCGTCTG
7120	Table 3A	NA	AW856490	7952183	PM4-CT0290-271099-001-c04 CT0290	-1	AGCTTAGGATATCTATTAGTGTTCACT
7121	Table 3A	NA	AW891344	8055549	cDNA, mRNA sequence PM2-NT0079-030500-001-a04 NT0079	-1	GTTCGGGCAAGAGGCCTAAAGGG TGGGAACACACTGGCCCATTATATAG
7122	Table 3A	NA	BE061115	8405765	cDNA, mRNA sequence QV0-BT0041-011199-039-f09 BT0041	-1	AGAAAAATAAAACATGATCCCCAT TTGCTTGATTTCCCAAACCACTACCT
7123	Table 3A	NA	BE086076	8476460	cDNA, mRNA sequence PM2-BT0672-130400-006-h09 BT0672	-1	GAAGGTGGCTTATGGTCTACAGCT TTCCACCACTTCAAGACTGGGGGCA
					cDNA, mRNA sequence		GGTAGAGAAGACAAGCATAAGTACA
7124	Table 3A	NA	BE091932	8482384	IL2-BT0733-130400-068-C11 BT0733 cDNA, mRNA sequence	-1	TTCTTCTCTGCCCCTAACAGAATGTT CTTCTCTTGCTTCCCACACCCTCC
7125	Table 3A	Hs.173334	BE160822	8623543	ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)	-1	CAGCACATCTTCTGGTTTACAAGTTG GGTAACTATGAAAGCTGGAGATGC
7126	Table 3A	NA	BE163106	8625827	QV3-HT0457-060400-146-h10 HT0457	-1	TATCTAAATTCTACCTTTAGCATCCAA
7127	Table 3A	Hs.301497	BE168334	8631159	cDNA, mRNA sequence arginine-tRNA-protein transferase 1-1p	-1	CTAGCTACCGTCTGGCACTGGCC TCCAATGCTCAAGTCACTCTGAGTCT
					(ATE1) mRNA, alternatively spliced product, partial cds /cds=(0,1544)		TTGCTGGTGTCAACCTACAATGCC
7128	Table 3A	Hs.172780	BE176373	8639102	602343016F1 cDNA, 5' end	-1	ACCTCACTATAGTAGCCATTAGGTAA
7129	Table 3A	NA	BE177661	8656813	/clone=IMAGE:4453466 /clone_end=5' RC1-HT0598-020300-011-h02 HT0598	-1	AGATGGGCCATATCCAAATGGGCT AAGAACTATTCCTTTGAGAATCTTTCC
7130	Table 3A	NA	BE178880	8658032	cDNA, mRNA sequence PM1-HT0609-060300-001-g03 HT0609	-1	TACTGGGAGTTACTGCTGTGATT TCTGTGTGAACATACATACAGGACTT
7131	Table 3A	NA	BE247056	9098807	cDNA, mRNA sequence TCBAP1D6404 Pediatric pre-B cell	-1	TGATTCTACCTGTGCCTGACCATT GTGGAGCTGTTGGCCTTGCTGGATG
		,	512 · · · · · ·	0000001	acute lymphoblastic leukemia Baylor-	•	CGGGCACTCTCTACACCTTCAGGTA
7132	Table 3A	Hs.11050	BE763412	10193336		-1	TGTCAGTGGCTCTCACTTTGTTTGAA
					clone DKFZp434C0118); partial cds /cds=(0,1644)		ATTGTTGCTTTGGGAAAAACACAG
7133	Table 3A	NA	BF330908	11301656	RC3-BT0333-310800-115-f11 BT0333 cDNA, mRNA sequence	-1	GATGCAGTGGGTTAGGGGTTGGGGG TACAGACTGACTTGAGCTCGGAGTC
7134	Table 3A	NA	BF357523	11316597	CM2-HT0945-150900-379-g06 HT0945	-1	TCAGGCACTCAGTAAAGGCAAGACTT
7135	Table 3A	NA	BF364413	11326438	cDNA, mRNA sequence RC6-NN1068-070600-011-B01	-1	GAGTGATACATAAAGTCAGTTACA CCTTGGGCTGAGTTTGCTGGTCCTGA
7136	Table 3A	NA	BF373638	11335663	NN1068 cDNA, mRNA sequence MR0-FT0176-040900-202-g09 FT0176	-1	AGATTACAGTTTTGGTTAGAGAGA ACAGCAAACAAAGTGTTCCAATCCTC
7137	Table 3A	NA	BF740663	12067339	cDNA, mRNA sequence QV1-HB0031-071200-562-h04 HB0031	-1	TATTAACCCATTTAACCAAGAGTT AGTGCATTCACACTGATGATAAACGA
					cDNA, mRNA sequence		TAGTAGCTTCACAGGTTTGCTTCT
	Table 3A	NA	BF749089		MR2-BN0386-051000-014-b04 BN0386 cDNA, mRNA sequence	-1	AAGTGTGATTAGAAGCAGCTGGAAGT AGCAGAGGAGGTGGAAGTTAGTCC
7139	Table 3A	NA	BF758480	12106380	MR4-CT0539-141100-003-d05 CT0539 cDNA, mRNA sequence	-1	CAGGAGTAAAACAGAGCTGGTTGTGT GATACCTATGCTGGGTGGAAGACT
7140	Table 3A	NA	BF773126	12121026	CM3-IT0048-151200-568-f08 IT0048 cDNA, mRNA sequence	-1	GGTGACTATCTTACCGGCTCCCAGTA AACTCTGAACAATGTACCAGCTAA
7141	Table 3A	NA	BF773393	12121293	CM2-IT0039-191200-638-h02 IT0039 cDNA, mRNA sequence	-1	GCTTGAAGATGTCTCAACAGAAAATC ACCGACATGAGGAAGCATCACGCT
7142	Table 3A	NA	BF805164	12134153	QV1-Cl0173-061100-456-f03 Cl0173	-1	AGGAACATGGCTGCAGCATATAAAAA
					cDNA, mRNA sequence		GAATTGAATTCCATACTTTTGTTAACC CTG
7143	Table 3A	NA	BF818594	12156027	MR3-CI0184-201200-009-a04 CI0184 cDNA, mRNA sequence	-1	GGTGCTGCCATAGGTGCCAGTAATG ACCGTTTATGCGGAAATCAATTACA
7144	Table 3A	NA	BF827734	12171909	RC6-HN0025-041200-022-F08 HN0025 cDNA, mRNA sequence	-1	TGAAGTACTATAGGACTCAATGGGAC CAGTAGCAGCTCCAAGTGGATCAC
7145	Table 3A	NA	BF845167	12201450	RC5-HT1035-271200-012-F08 HT1035	-1	ACACGGGACCTCCTTTGATCTTTCTG
7146	Table 3A	NA	BF869167	12259297	cDNA, mRNA sequence IL5-ET0119-181000-181-b11 ET0119	-1	AGAATTAATAGAGATTTCATGGCA CCAAAAGGAGAAAGATGACTAGGGT
7147	Table 3A	NA	BF875575	12265705	cDNA, mRNA sequence QV3-ET0100-111100-391-c02 ET0100	-1	CACACTTGAGGATTTGCCAGGTGGG GCATCTTCTTTGAAGACGGGAACTGT
7148	Table 3A	NA	BF877979		cDNA, mRNA sequence MR0-ET0109-171100-001-b02 ET0109	-1	ACTTCAGGTTCTTTTCTGTTTAGC GGCTCATTTGGTTTTAAAGTCTCTTCT
					cDNA, mRNA sequence		ATGCCATCCCAGGGGAGGAGGAT
7149	Table 3A	NA	BF897042	12288501	IL2-MT0179-271100-254-C11 MT0179 cDNA, mRNA sequence	-1	GACTGTGGACACCTCTCACTGTGTCT TCTTGGCAGGCAGAGCTTACTGAC

Table 8

7150	Table 3A	NA	BF898285	12289744	QV1-MT0229-281100-508-e11 MT0229 cDNA, mRNA sequence	-1	GCAGGGTGCAGAGCTTCACAGCAGG TAGGAAGAAGTAACTAAGTGGAAAC
7151	Table 3A	NA	BF899464	12290923	IL5-MT0211-011200-317-f03 MT0211	-1	CAGCTAAAGCCGTAGGTCATTGTGAC
7152	Table 3A	NA	BF904425	12295884		-1	TGTCCCTGGGATGTGGATTACTCT CCAGAATGCAGCCTACAGACCAAATA
7153	Table 3A	NA	BF906114	12297573	MT0245 cDNA, mRNA sequence IL3-MT0267-281200-425-A05 MT0267 cDNA, mRNA sequence	-1	TCAATGGACTTGGTGTAGCCCTGC TTTAAACCAGGTCTGGAAAAAGGAAG GAGAGGAGGGCATTTTAGAGAAGA
7154	Table 3A	NA	BF926187	12323197	CM2-NT0193-301100-562-c07 NT0193 cDNA, mRNA sequence	-1	GTGGCTTCGTAAAATAGAAGAGCAGT CACTGTGGAACTACCAAATGGCGA
7155	Table 3A	NA	BF928644	12326772	QV3-NT0216-061200-517-g03 NT0216 cDNA, mRNA sequence	-1	CACACCACAGCTGGCTGGGAGCAGA GGCTGCTGGTCTCATAGTAATCTAC
7156	Table 3A	NA	BG006820	12450386	RC4-GN0227-271100-011-d03 GN0227 cDNA, mRNA sequence	-1	TGGAGAAAATGAGAGACAGACAGTG AGTGAGAAAGTCAGCGAAAAGGAAA
7157	Table 3A	NA	F11941	706260	HSC33F051 normalized infant brain cDNA cDNA clone c-33f05, mRNA	-1	ACCTACTGTTGAGATTATTCCCCTGT CTCCACACTGCCAGAAACTTACCA
7158	Table 3A	NA	U46388	1236904	HSU46388 Human pancreatic cancer cell line Patu 8988t cDNA clone xs425, mRNA sequence	-1	CCAAATGATACTAGGATTAAGCCCCA AAGCAAAGTCAAGCACCACCATGG
7159	Table 3A	NA	U75805	1938265	HSU75805 Human cDNA clone f46, mRNA sequence	-1	TCCCAGAGCAACAACTAAGTCTCAAC TAATGGACAACCAACACCCACTGA
7160	Table 3A	NA	W27656	1307658	•	-1	CCACAGAATGGGCATGTAGTATTGAG ATTTGAATCATCTGCTGTCCAGCC
7161	db mining	Hs.661	NM_004146	10764846	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7 (18kD, B18) (NDUFB7), mRNA /cds=(22,435)	1	ACCTCATCCGGCTGCTCAAGTGCAAG CGTGACAGCTTCCCCAACTTCCTG
7162	db mining	Hs.943	NM_004221	4758811		1	GACCTGGTGCTGTCGCCCTGGCATC TTAATAAAACCTGCTTATACTTCCC
7163	db mining	Hs.1063	NM_003093	4507126	small nuclear ribonucleoprotein polypeptide C (SNRPC), mRNA /cds=(15,494)	1	GCATAAGGAAGACTTGCTCCCCTGTC CTATGAAAGAGAATAGTTTTGGAG
7164	db mining	Hs.1321	NM_000505	9961354		1	GGGACTCATCTTTCCCTCCTTGGTGA TTCCGCAGTGAGAGAGTGGCTGGG
7165	db mining	Hs.288856	NM_003903	14110370	prefoldin 5 (PFDN5), mRNA /cds=(423,926)	1	AGACTGGATCGCACACCTTTGCAACA GATGTGTTCTGATTCTCTGAACCT
7166	db mining	Hs.1975	NM_030794	13540575	hypothetical protein FLJ21007 (FLJ21007), mRNA /cds=(257,2212)	1	AAGCAAATACCTTTTACAAGTGAAAG GAAGAATTTTCTTCTGCCGTCAA
7167	db mining	Hs 3804	NM_014045	13027587	DKFZP564C1940 protein (DKFZP564C1940), mRNA /cds=(565,1260)	1	GCAACAAATGCTTCTATTCCATAGCT ACGGCATTGCTCAGTAAGTTGAGG
7168	db mining	Hs.3832	NM_032493	14210503	clathrin-associated protein AP47 (AP47), mRNA /cds=(76,1347)	1	TCCGTGTAGAGGTTACAGCCTTTTAT GCTGTTGAGCTCCCAGGTACCAAA
7169	db mining	Hs.4113	NM_006621	5729723	S-adenosylhomocysteine hydrolase- like 1 (AHCYL1), mRNA /cds=(47,1549)	1	GCCCACTTGGATTTATAGTATAGCCC TTCCTCGACTCCCACCAGACTTGC
7170	db mining	Hs.83848	NM_000991	13904865	triosephosphate isomerase 1 (TPI1), mRNA /cds=(34,783)	1	AAGAGCTCCTGAGCCCCCTGCCCCC AGAGCAATAAAGTCAGCTGGCTTTC
7171	db mining	Hs.5076	AK025781	10438401		1	GCTCAACATGGAAAGAAGGTACAGAA AGTGATGTGTTCAAAACATTAGCA
7172	db mining	Hs.5298	NM_015999	7705760	CGI-45 protein (LOC51094), mRNA /cds=(182,1294)	1	TTATATACCCTGGTCCCATCTTTCTAG GGCCTGGATCTGCTTATAGAGCA
7173	db mining	Hs.5473	AW953785	8143468	602659796F1 cDNA, 5' end /clone=IMAGE:4802950 /clone_end=5'	1	GTTTACTCCGTCCCTATCACTGGTGT GGCTGTGGGCAAACCACTTATTGC
7174	db mining	Hs.5831	NM_003254	4507508	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor) (TIMP1), mRNA	1	GAACTGAAGCCTGCACAGTGTCCAC CCTGTTCCCACTCCCATCTTTCTTC
7175	db mining	Hs.5890	BF698885	11984293		1	GAAGACCAAGAGAGACAACAGACGC AGCAAACAGCCGAAGCACCAGACAA
7176	db mining	Hs 6211	NM_015846	7710138	methyl-CpG binding domain protein 1 (MBD1), transcript variant 1, mRNA /cds=(139,1956)	1	AATTCAGAAAATTGTTGGGAGGACAG CCCTTTTGTGAACCTTGTTTGGGG
7177	db mining	Hs 6285	AL080220	5262711	mRNA; cDNA DKFZp586P0123 (from clone DKFZp586P0123); partial cds /cds=(0,1067)	1	TTTACCCAGCTCTGAAGGTCATTGTT CTTGCCTGTGTTTGAATAAATCA
7178	db mining	Hs 6441	AL110197	5817115	mRNA; cDNA DKFZp586J021 (from clone DKFZp586J021)	1	GTCTCTGATGCTTTGTATCATTCTTGA GCAATCGCTCGGTCCGTGGACAA
7179	db mining	Hs 6459	NM_024531	13375681	hypothetical protein FLJ11856 (FLJ11856), mRNA /cds=(239,1576)	1	GGTAAGCCCCTGAGCCTGGGACCTA CATGTGGTTTGCGTAATAAAACATT
7180	db mining	Hs 6616	AL524742	12788235	AL524742 cDNA /clone=CS0DC008YI07-(5-prime)	1	TCTGGCTCTGACCGGTTGATGGCCTT GAGCGAATGAAATCATGAAATTGA
7181	db mining	Hs.6650	NM_007259	6005775	vacuolar protein sorting 45B (yeast homolog) (VPS45B), mRNA /cds=(33,1745)	1	TGCCCTACATAGCAATTTTCTGTGGC ACTGAGAAACCATGTATGACCACA

					14510 0		
7182	db mining	Hs 6763	NM_015310	7662395	KIAA0942 protein (KIAA0942), mRNA /cds=(52,1656)		GCAGTGTACTGTGTGCAATACCAAGG GCATAGCTCCCTGTAATTTGGGAA
7183	db mining	Hs 6780	NM_007284	6005845	protein tyrosine kinase 9-like (A6-related protein) (PTK9L), mRNA	1	CTGAGACTAGGGTCCCAGCACAGCC CAGAAACCTTTGGCCACAAGAAGTG
7184	db mining	Hs 6817	NM_025200	13376793	putative oncogene protein hlc14-06-p	1	TCGCCTTCCATGGTTTTTAAATGCAG
7185	db mining	Hs.7709	U79457	4205083	(HLC14-06-P), mRNA /cds=(51,635) Homo sapiens, Similar to WW domain binding protein 1, clone MGC:15305 IMAGE 4309279, mRNA, complete cds /cds=(162,971)		TAAATAACATTTCTGGATGAGACT GCTTTACCCCCGCAGGACATACACAG GAGCCTTTGATCTCATTAAAGAGA
7186	db mining	Hs.7740	AF288741	14209837	oxysterol binding protein 2 (OSBP2) mRNA, complete cds /cds=(112,2748)	1	GGAATGTACCTCTCCCCAACACTGTT TTGTTAGCGAGCACCTTTTGACCA
7187	db mining	Hs 8108	NM_021080	10835268	disabled (Drosophila) homolog 1 (DAB1), mRNA /cds=(765,2426)		ACTCGCTCAGAAGAGGGAACTAAGC ATTTTTGGCAACCAATGGGCAGATA
7188	db mining	Hs.8109	NM_022743	12232400	hypothetical protein FLJ21080 (FLJ21080), mRNA /cds=(127,1236)		AGCTGTGTGAACCTCTCTTATTGGAA ATTCTGTTCCGTGTTTGTGTAGGT
7189	db mining	Hs.8207	NM_020198	9910241	GK001 protein (GK001), mRNA /cds=(184,1635)	1	AGTCCCATACATTTGGACCATGGCAG CTAATTTTGTAACTTAAGCATTCA
7190	db mining	Hs.226627	BC007375	13938462	leptin receptor short form (db) mRNA, complete cds /cds=(0,2690)	1	CTGCCCCCTTCCTGGACTTCGTGCCT TACTGAGTCTCTAAGACTTTTTCT
7191	db mining	Hs.8768	NM_018243	8922711	hypothetical protein FLJ10849 (FLJ10849), mRNA /cds=(93,1382)	1	GGATAACATTTCTCATGAACCCACTG CCCCTCTGCATTTTCCTCACTGGT
7192	db mining	Hs 8834	NM_006315	5454011	ring finger protein 3 (RNF3), mRNA /cds=(114.857)	1	CGCTTAAGAACATTGCCTCTGGGTGT CATGTGGACCAGACTTCTGAATAG
7193	db mining	Hs 9683	NM_006260	5453979	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor (PRKRI), mRNA	1	GGGTTCAATCCCTTCAGCTCAGGCG GACCATTTAGATTTAAATTCCACTT
7194	db mining	Hs.9825	NM_016062	7706342	CGI-128 protein (LOC51647), mRNA /cds=(35,526)	1	GCTCCTGCCAGGGCTGTTACCGTTGT TTTCTTGAATCACTCACAATGAGA
7195	db mining	Hs.10590	AL031685	9368423		1	AATCTGGCGAAACCTTCGTTTGAGGG ACTGATGTGAGTGTATGTCCACCT
					Contains a KRT18 (Keratin type I, Cytoskeletal 18 (Cytokeratin 18, CK18,CYK18)) pseudogene, a gene for a novel protein, the gene for spermatogenesis associated protein PD1 (KIAA0757) and the 3' end of the gene for KIAA0939 (novel Sodium/hydrogen exchanger family member) Contains ESTs, STSs, GSSs		
7196	db mining	Hs.11465	NM_004832	4758483	glutathione-S-transferase like; glutathione transferase omega (GSTTLp28), mRNA /cds=(9,734)	1	GACTATGGGCTCTGAAGGGGGCAGG AGTCAGCAATAAAGCTATGTCTGAT
7197	db mining	Hs.11538	NM_005720	5031600	actin related protein 2/3 complex, subunit 1A (41 kD) (ARPC1B), mRNA /cds=(80,1198)	1	AGGGAGGGGACAGATGGGGAGCTTT TCTTACCTATTCAAGGAATACGTGC
7198	db mining	Hs.12707	AK023168	10434970	cDNA FLJ13106 fis, clone NT2RP3002455, highly similar to mRNA for KIAA0678 protein	1	ACCTTCTGAAAGCTCACAGTACACAT TAGTATGTATAACTGGCTTTACCA
7199	db mining	Hs.12785	AL031685	9368423	DNA sequence from clone RP5- 963K23 on chromosome 20q13.11-13.2 Contains a KRT18 (Keratin type I, Cytoskeletal 18 (Cytokeratin 18, CK18,CYK18)) pseudogene, a gene for a novel protein, the gene for spermatogenesis associated protein PD1 (KIAA0757) and the 3' end of the gene for KIAA0939 (novel Sodium/hydrogen exchanger family member) Contains ESTs, STSs, GSSs and four putative CpG islands	1	TTTAAGGGAGTCAGGAATAGATGTAT GAACAGTCGTGTCACTGGATGCCT
7200	db mining	Hs 13323	NM_022752	12232416	hypothetical protein FLJ22059 (FLJ22059), mRNA /cds=(783,1967)	1	CCCACCTTCCACCTCTTAGCACTGGT GACCCCAAAAATGAAACCATCAAT
7201	db mining	Hs.13659	AL080209	5262698	Hypothetical protein DKFZp586F2423	1	AGACCAGCAGTGTTTAAATCTAAATA CGTTGTGAGTCTGTTATCTGTCCT
7202	db mining	Hs 14089	NM_013379	7019510	dipeptidyl peptidase 7 (DPP7), mRNA /cds=(0,1478)	1	ACCTCGACCTCAGAGCCTCCCACCC AGAAGATCCTGCTTCCGTGGTTGAG
7203	db mining	Hs 16488	NM_004343	5921996	calreticulin (CALR), mRNA /cds=(68,1321)	1	GGGCAGTGGGTCCCAGATTGGCTCA CACTGAGAATGTAAGAACTACAAAC
7204	db mining	Hs 16580	NM_018303	8922829		1	TGGCCTTAAGTTTTCTAATTCAAGCG GGTTTTTGGAAAAATTTATGGTCT
7205	db mining	Hs.109438	AB028950	5689390		1	TGCAGAGTTATAAGCCCCAAACAGGT CATGCTCCAATAAAAATGATTCTA
7206	db mining	Hs.18586	NM_014826	7662135	KIAA0451 gene product (KIAA0451), mRNA /cds=(1482,2219)	1	CCAAACAATGATGTGGATTCTTTTGC ACAGAAATATTTAAGGTGGGATGG

Table 8

					Table 0		
7207	db mining	Hs 19575	NM_015941	7706261	CGI-11 protein (LOC51606), mRNA	1	ACAAAAGTCAACTGTTGTCTCTTTTCA
7208	db mining	Hs 20529	AK025464	10437985	/cds=(233,1684) cDNA: FLJ21811 fis, clone HEP01037	1	AACCAAATTGGGAGAATTGTTGC GCTGGGGACTCTAGCCTCTGTGTTCA
7209	db mining	Hs.20725	NM_020963	14211539	/cds=UNKNOWN Mov10 (Moloney leukemia virus 10, mouse) homolog (MOV10), mRNA	1	TAAAGACATTAAGAAGTGGATGGA GGAGAATGACACATCAAGCTGCTAAC AATTGGGGGAAGGGGAAGGAAGAA
7210	db mining	Hs.343590	AB011104	3043587	/cds=(70,3081) 601471579F1 cDNA, 5' end	1	ACCTGGGTTTAATACAGCTCACATCA
7211	db mining	Hs.23449	NM 018842	10047119	/clone=IMAGE:3874747 /clone_end=5' insulin receptor tyrosine kinase	1	CTGAATGTTACACATGAGTTTAAA CTTAAGGACGCCTTTGCCTGGCCCCT
7212	db mining	Hs 23990	NM_017838	8923443	substrate (LOC55971), mRNA nucleolar protein family A, member 2	1	TTATTACAGCCCAACACGGTAGGC TCCATCAGTGCCATTTCCTGTAGAAC
,,,,,	CD IIIIIIII	110 2000		5525775	(H/ACA small nucleolar RNPs) (NOLA2), mRNA /cds=(86,547)		TAAAGGCTGTTCCAAGAATGTGGG
7213	db mining	Hs 24024	NM_015376	7662333	KIAA0846 protein (KIAA0846), mRNA /cds=(272,2341)	1	ATCTGTAAAGCACTCAGAAGGCAGCC ATCCCTAGATGTTGGTTTCATGTA
7214	db mining	Hs.334842	BC008330	14249901	tubulin, alpha, ubiquitous (K-ALPHA-1), mRNA /cds=(67,1422)	1	TGGTTAGATTGTTTTCACTTGGTGAT CATGTCTTTTCCATGTGTACCTGT
7215	db mining	Hs.24641	AK022982	10434687	cDNA FLJ12920 fis, clone NT2RP2004594 /cds=(96,2144)	1	CATGTCCCTTGAAACATGATAGTTAC ATACACAGTTTTCTCTCCACACAT
7216	db mining	Hs.321105	NM_015462	7661683	cDNA: FLJ21737 fis, clone COLF3396 /cds=UNKNOWN	1	AGGTTTCACATGAACCTGTTCTAGGC TGTGGACATTGGTGTGGAGAGGTT
7217	db mining	Hs.26802	NM_021158	11056039	protein kinase domains containing protein similar to phosphoprotein C8FW (LOC57761), mRNA /cds=(294,1370)	1	GACACTTGGGGTCCACAATCCCAGG TCCATACTCTAGGTTTTGGATACCA
7218	db mining	Hs.26892	NM_018456	8922098		1	AGAAATGATTTGCAGCTGAGTGAATC AGGAAGTGACAGTGATGACTGAAG
7219	db mining	Hs.27076	NM_003729	4506588	RNA 3'-terminal phosphate cyclase (RPC), mRNA /cds=(170,1270)	1	TCCTGAGAGATGGACAATGAAATATC AGTTGGTGGATATGTGTGATAGCT
7220	db mining	Hs 27445	NM_016209	7706428		1	CTTTCAGGGCAGGCAGCTGTGCATG TTCTCTCAACTAAAGGTCTTGTGAG
7221	db mining	Hs.27633	NM_015456	7661663	DKFZP586B0519 protein (DKFZP586B0519), mRNA	1	GCTGGACACACGGTGAGATTTTCTCG TATGTAAATAAAAGGCAATTTGGT
7222	db mining	Hs.28310	BG260891	12770707	602372491F1 cDNA, 5' end /clone=IMAGE:4480510 /clone_end=5'	1	CTCAACGAAAGGCTCACACTAACAGG GGAGGATTACAGCACCACAATACT
7223	db mining	Hs.28914	NM_000485	4502170	adenine phosphoribosyltransferase (APRT), mRNA /cds=(71,613)	1	CCACACTGAACCCAATTACACACAGC GGGAGAACGCAGTAAACAGCTTTC
7224	db mining	Hs.29893	AL133426	6562628	mRNA full length insert cDNA clone EUROIMAGE 146397 /cds=UNKNOWN	1	AGGCCCTGGAAAATTTTGTGCTTCCA ACGTGGCCTTCAATTCTTGCTTTT
7225	db mining	Hs.30120	BF970066	12337281	602272333F1 cDNA, 5' end /clone=IMAGE:4360233 /clone_end=5'	1	TATTAAGCTTGCCCAGGCTCCTGTTC ATGAAGGTTCCCCCAGCGGTGGCC
7226	db mining	Hs.30250	AF055376	3335147	short form transcription factor C-MAF (c-maf) mRNA, complete cds	1	GCTATACCACTGACTGTATTGAAAAC CAAAGTATTAAGAGGGGAAACGCC
7227	db mining	Hs.30443	AL136599	13276698	mRNA; cDNA DKFZp564G1816 (from clone DKFZp564G1816); complete cds /cds=(137,3091)	1	TCGGGGTCAGTTAAGCCTCAGTATTC TTAGCTTTTGTTGATTTTGGCACT
7228	db mining	Hs.31137	NM_006504	5729992	protein tyrosine phosphatase, receptor type, E (PTPRE), mRNA	1	ATGGTGCAAACCCTGGAACAGTATGA ATTCTGCTACAAAGTGGTACAAGA
7229	db mining	Hs.34114	NM_000702	4502270	ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide (ATP1A2), mRNA	1	AGAAGCAGCGAGTGCATGGGCTAAT TATCATCAATCTTTATGTATTTGTT
7230	db mining	Hs.35254	NM_020119	9910221	/cds=(104,3166) hypothetical protein FLB6421 (FLB6421), mRNA /cds=(310,792)	1	GGAAATGTTGCTGTGGGGGATTCATT GTAACTCTCCTTGTGAACTGCTCA
7231	db mining	Hs.38735	BG149337	12661367	nad26g06.x1 cDNA, 3' end /clone=IMAGE:3366730 /clone_end=3'	1	ATGCCAAATTCCTGACACGTGGCGTT TGAAAATACCATGGAACGTTTCCA
7232	db mining	Hs.41322	Al655467	4739446	tt13b01.x1 cDNA, 3' end /clone=IMAGE:2240617 /clone_end=3'	1	ACATTCTGACTCCATCTGCGGCCTCA TTAAGGTGATAGAAACATACTAGG
7233	db mining	Hs.42346	AY013295	11693027	calcineurin-binding protein calsarcin-1 mRNA, complete cds /cds=(131,925)	1	ATGATAATGTTGGCATCTGTGATAAA CTATCAATGAGGCTCCCATCATGC
7234	db mining	Hs 42699	AW956580	8146278	EST368665 cDNA	1	AGAGTCACATGTAGAAAAGCCTCCAG TATTAAGCTCCTGAATTCATTCCT
7235	db mining	Hs.44131	AB023191	4589591	mRNA for KIAA0974 protein, partial cds /cds=(0,1697)	1	ATGGCAACAATGCTGACAGCAAGCA GTAGATCCTCTGATTCCAATTACCA
7236	db mining	Hs.44441	BE295812	9179366	601176827F1 cDNA, 5' end /clone=IMAGE:3532039 /clone_end=5'	1	GGGAACCCTCATTAATTAGACAAGAA CACCAAGGCTATGACCACAGCAGC
7237	db mining	Hs.46919	AY007155	9956067	clone CDABP0095 mRNA sequence /cds=UNKNOWN	1	GGCTCACCAGAGTACCCAGAAGAAT CAGTATGGAATTAGAGGACAGTGGC
7238	db mining	Hs.56009	NM_006187	5453823		1	ATTCCAGGCCCTCAGTCTTTGGCAAT GGCCACCCTGGTGTTGGCATATTG
7239	db mining	Hs.57843	W63785	1371386	zd30g09.s1 cDNA, 3' end /clone=IMAGE:342208 /clone_end=3'	1	GCATACATAAAGGCAAAGAATGACAA AAGGCTTAATCCACCTAGAAGACA
7240	db mining	Hs.58373	BF339746	11286202	602034942F1 cDNA, 5' end //clone=IMAGE:4182851 /clone_end=5'	1	ATATAGTGGGAGACAAAACACAGGAG GCGGGGGATATCATGTAGCAGAGC
7241	db mining	Hs.59236	NM_032139	14149802	hypothetical protein DKFZp434L0718 (DKFZP434L0718), mRNA	1	TCTAATGTGCCTTGGATATGTGCCAA ATGATGGAAAAGAAACAGTAAACT

Test	7242	db mining	Hs 62406	NM_024660	13375912	hypothetical protein FLJ22573	1	GCTTGGCTCATCTGGGGTTTGCTGG
Technology	7243	db mining	Hs.63042	NM_018457	8922156	•	1	GCTTAACACCCAATAAAGAACTTTG CTGCGGTTTTGGAACCTTACCTCTCC
245	7244	db mining	Hs 65648	NM_005105	4826971	RNA binding motif protein 8A	1	TCCTTAGCCCAATATGCTGTCTTG TCCAGGCCATTTTGCAGGGACTCTGA
246 db mining	7245	db mining	Hs 339868	NM_003974	4503358	oh47h10.s1 cDNA, 3' end	1	AGTGACCTTTAGTAGTAATAGTCT TGGCAGCCAGGAACTGAGTATGACA
Tricrice Page 246	db mining	Hs.75056	NM_003938	4501976	adaptor-related protein complex 3,	1	ATGTTGTACTAAAGAAAGGCCCAAA AGAGAGAGACATATCACGCTGCTGTC	
TAGATGATTICTAGGAC TAGATGATTICTAGGAC TAGATGATTICTAGGAC TAGATGATTICTAGGAC TAGATGATTICTAGGAC TAGATGATTICTAGGAC TAGATGATTICTAGGAC TAGATGATTICTAGGAC TAGATGATTICTAGGAC TAGATGATGATGATGATGAC TAGATGATGATGATGAC TAGATGATGATGATGAC TAGATGATGATGATGAC TAGATGATGATGATGAC TAGATGATGATGATGAC TAGATGATGATGATGAC TAGATGATGATGACAC TAGATGATGACAC TAGATGACACACACAC TAGATGACACACACAC TAGATGACACACACACAC TAGATGACACACACACACAC TAGATGACACACACACACAC TAGATGACACACACACACACACACACACACACACACACAC	7247	db mining	Hs.75082	NM_001665	4502218	ras homolog gene family, member G	1	CTTCTGGGGACCTTTCCTACCCCCAT
2249 db mining	7248	db mining	Hs.75309	NM_001961	4503482	eukaryotic translation elongation factor	1	TAGATGATTTCTAGCAGGCAGGAAGT
AGGITCAAGGGCTTACT AGGITCAAGGGCTTACT AGGITCAAGGGCTTACT Control	7249	db mining	Hs 75725	NM_003564	4507356	transgelin 2 (TAGLN2), mRNA	1	CCATGGTCTGGGGCTTGAGGAAGAT GAGTTTGTTGATTTAAATAAAGAAT
TTTTGGGGACCTCTT TGCC, mRNA (osse [283,1186] CFCC, mRNA (osse	7250	db mining	Hs.75770	NM_000321	4506434	retinoblastoma 1 (including	1	AGGTCAAGGGCTTACTATTTCTGGGT CTTTTGCTACTAAGTTCACATTAG
MRNA /cds=(76.1122) TGCACTTATATTGCT	7251	db mining	Hs.75790	NM_002642	4505794	phosphatidylinositol glycan, class C	1	TTTCTGGGGACCTCTTGAATTACATG CTGTAACATATGAAGTGATGTGGT
TGCTTAAGGGACCACT Total Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted Transmitted T	7252	db mining	Hs.76057	NM_000403	9945333	galactose-4-epimerase, UDP- (GALE),	1	TGGCACAAAACCTCCTCCCCAGGC ACTCATTTATATTGCTCTGAAAGA
7255 db mining	7253	db mining	Hs 76662	NM_032327	14150105	•	1	TGAGGTCACTGCCACTTCTCACATGC TGCTTAAGGGAGCACAAATAAAGG
7256 db mining	7254	db mining	Hs.77266	NM_002826	13325074			CACGCTACCCCCTGCCTTGGGAGGT GTGTGGAATAAATTATTTTTGTTAA
Vicacular proton pump) 31kD (ATP6E), mRNA /cds=(75,755) GTCGCTTTACTGTTAC mRNA /cds=(75,755) GTCGCTTTACTGTTAC mRNA /cds=(75,755) GTCGCTTTACTGTTAC mRNA /cds=(75,755) GTCGCTTTACTGTTAC mRNA /cds=(75,755) GTCGCTTTACTGTTAC mRNA /cds=(75,755) GTCGCTTTACTGTAC mRNA /cds=(70,927) AGCAACAGTATTCTGC GCTTACAGAAATGCCT mRNA /cds=(10,927) AGCAACAGTATTCTGC GCTTACAGAAATGCCT mRNA /cds=(10,927) AAACATGCCTGGAC GCTTACAGAAATGCCT mRNA /cds=(10,927) AAACATGCCTGGAC GCTCTCGAC mRNA /cds=(10,927) AAACATGCCTGGAC TCCCCGACTGTCACTGCACTGCACT	7255	db mining		_		/cds=(50,1063)		AATGCAGAGAATGGAAAGTAGCGCAT CCCTGAGGCTGGACTCCAGATCTG
AGCACAGTATTCTGC	7256	db mining	Hs.77805	NM_001696	4502316	(vacuolar proton pump) 31kD (ATP6E),	1	GTGGCACACCACTCCTTCCAGCAGTA GTCGCTTTACTGTTACCTGTTTAG
T258 db mining	7257	db mining	Hs.78592	NM_001414	4503502	eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD) (EIF2B1),	1	AGCAACAGTATTCTGCATGGTTCACT GCTTAAGAAAATGCCTTCTGGAAT
T259 db mining	7258	db mining	Hs.78605	BC006159	13544048	Homo sapiens, clone IMAGE:3635549,	1	AAACATGTCCCTGGAGAGTAGCCTGC TCCCACACTGTCACTGGATGTCAT
Trace	7259	db mining	Hs.78890	AF171938	5852969	NUMB isoform 1 (NUMB) mRNA,	1	CAGTTGCAGCCTCTTGACCTCGGATA ACAATAAGAGAGCTCATCTCAT
TTCTGCCGTGTGTATAC NRNA /cds=(35,412) TTCTGCCGTGTGTATAC GACCAATGACACCA TGTGTGCACACGACCACACGACGACGACGACGACGACGACGACGA	7260	db mining	Hs.79150	NM_006430	5453604	chaperonin containing TCP1, subunit 4	1	TGGGCTTGGTCTTCCAGTTGGCATTT GCCTGAAGTTGTATTGAAACAATT
### Rembrane protein-5 (LAPTM5), mRNA (Ads=(75,863)	7261	db mining	Hs.79259	NM_016404	7705476	hypothetical protein (HSPC152),	1	TTCTGCCGTGTGTATCCCCAACCCTT GACCCAATGACACCAAACACAGTG
Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge Trigge T	7262	db mining	Hs.79356	NM_006762	5803055	membrane protein-5 (LAPTM5), mRNA	1	TGTGTGCGACAGGGAGGAAGTTTCA ATAAAGCAACAACAAGCTTCAAGGA
(galectin 9) (LGALS9), transcript variant long, mRNA /cds=(56, 1123) TCAGAGGACTGGCTC TCAGAGGACTGGCTC TAAATAAACTTCCTTGAGAGGACTGGCTGAC TAAATAAACTTCCTTGAC TAAATAAACTTCCAGCCTTGAC TAAATAAACTTCCAGCCTTGAC TAAATAAACTTCCAGCCTTGAC TAAATAAACTTCCAGCCTTGAC TAAATAAACTTCCAGCCTTGAC TAAATAAACTTCCAGCCTTGAC TAAATAAACTTCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	7263	db mining	Hs.79572	NM_001909	4503142	cathepsin D (lysosomal aspartyl	1	CTCCCCTTGGGCGGCTGAGAGCCCC AGCTGACATGGAAATACAGTTGTTG
7265 db mining Hs.82030 NM_004184 7710155 mRNA /cds=(187,1602) tryptophanyl-tRNA synthetase (WARS), mRNA /cds=(187,1602) 1 CTCTGCCTCCTGTC/TAAATAAACTTCCTTG 7266 db mining Hs.82396 NM_016816 8051620 2',5'-oligoadenylate synthetase 1 (40-4 kD) (OAS1), transcript variant E18, mRNA /cds=(33,1235) 1 AAATTCCAGCCTGAGGGGGGGGGGGGGGGGGGGGGGGGG	7264	db mining	Hs.81337	NM_009587	6806889	(galectin 9) (LGALS9), transcript variant	1	CTCCACCACCTGACCAGAGTGTTCTC TTCAGAGGACTGGCTCCTTTCCCA
7266 db mining Hs.82396 NM_016816 8051620 46 kD) (OAS1), transcript variant E18, mRNA /cds=(33,1235) 1 AAATTCCAGCCTTGAC GCACCTGATGGAGG GCACCTGATGGAGG GCACCTGATGGAGG GCACCTGATGGAGG GCACCTGATGGAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	7265	db mining	Hs.82030	NM_004184	7710155	tryptophanyl-tRNA synthetase (WARS),	1	CTCTGCCCTCCTGTCACCCAGTAGAG TAAATAAACTTCCTTGGCTCCTAA
T267 db mining	7266	db mining	Hs.82396	NM_016816	8051620	2',5'-oligoadenylate synthetase 1 (40- 46 kD) (OAS1), transcript variant E18,	1	AAATTCCAGCCTTGACTTTCTTCTGT GCACCTGATGGGAGGGTAATGTCT
7268 db mining Hs.83753 NM_003091 4507124 small nuclear ribonucleoprotein polypeptides B and B1 (SNRPB), mRNA /cds=(0,695) 1 TTGGCGGCCATCCC GACCCAAAGGAAG GACCCCACAAGGAAG GACCCCCACAAGGAAG GACCCCCACAAGGAAG GACCCCCACAAGGAAG GACCCCCACAAGGAAG GACCCCCACAAGGAAG GACCCCCCCC	7267	db mining	Hs.82933	BC008739	14250568	Homo sapiens, protein x 013, clone MGC:3073 IMAGE:3346340, mRNA,	1	CTGTAGGCCAGGGTGGAATGAAGTC AGCTCCTTTTTATAGTTGAAATACA
7269 db mining Hs 85838 NM_004207 4759111 solute carrier family 16 (monocarboxylic acid transporters), member 3 (SLC16A3), mRNA 1 GGAGAGTGGAAATAAA GGTGGAGTGTCTCG GGTGGAGTGTCTCG GGTGGAGTGTCTCTGGTGGAGTGTCTCTGGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	7268	db mining	Hs.83753	NM_003091	4507124	small nuclear ribonucleoprotein polypeptides B and B1 (SNRPB),	1	TTGGCGGGCCATCCCAACAGGTGAT GACCCCACAAGGAAGAGGTACTGTT
7270 db mining Hs 306565 NM_013341 9558756 clone HQ0688 /cds=UNKNOWN 1 AGTGAGGACAATGTGTTTTGAATCTACAGATA 7271 db mining Hs.89497 NM_005573 5031876 lamin B1 (LMNB1), mRNA 1 GAGGGTGGGGGAGGGGAGGGGAGGGAGGGAGGGAGGGAG	7269	db mining	Hs 85838	NM_004207	4759111	solute carrier family 16 (monocarboxylic acid transporters),	1	GGAAGATGGAAATAAACCTGCGTGTG GGTGGAGTGTTCTCGTGCCGAATT
7271 db mining Hs.89497 NM_005573 5031876 lamin B1 (LMNB1), mRNA 1 GAGGGTGGGGGAGGGGAGGGTTTCT 7272 db mining Hs.89525 NM_004494 4758515 hepatoma-derived growth factor (high-mobility group protein 1-like) (HDGF), mRNA /cds=(315,1037) 7273 db mining Hs.92208 NM_003815 11497001 a disintegrin and metalloproteinase 1 GATTGAGGAAGGTCC	7270	db mining	Hs 306565	NM_013341	9558756		1	AGTGAGGACAATGTGGCTTGCTCCTT
mobility group protein 1-like) (HDGF), CTCTGAGAACCGTAGA mRNA /cds=(315,1037) 7273 db mining Hs.92208 NM_003815 11497001 a disintegrin and metalloproteinase 1 GATTGAGGAAGGTCC	7271	db mining	Hs.89497	NM_005573	5031876	lamin B1 (LMNB1), mRNA	1	GAGGGTGGGGGAGGAGGTGGAGG GAGGGAAGGGTTTCTCTATTAAAATG
7273 db mining Hs.92208 NM_003815 11497001 a disintegrin and metalloproteinase 1 GATTGAGGAAGGTCC	7272	db mining	Hs.89525	NM_004494	4758515	mobility group protein 1-like) (HDGF),	1	TGCTGACTGTAGCTTTGGAAGTTTAG CTCTGAGAACCGTAGATGATTTCA
mRNA /cds=(7,2451)	7273	db mining	Hs.92208	NM_003815	11497001	a disintegrin and metalloproteinase domain 15 (metargidin) (ADAM15),	1	GATTGAGGAAGGTCCGCACAGCCTG TCTCTGCTCAGTTGCAATAAACGTG

72	274	db mining	Hs.103527	NM_003975	4503632	SH2 domain protein 2A (SH2D2A),	1	GATTCTTGTCTGGCTAATAATCATCA
72	275	db mining	Hs.104679	BF347362	11294957	mRNA /cds=(86,1255) Homo sapiens, clone MGC 18216	1	CCAACTGCCTTCTCCTACAGGGA AGATTCTTAGGGCACGTTTGTTCCCC
		···································				IMAGE:4156235, mRNA, complete cds /cds=(2206,2373)		TTGGAGGGTTTTCCACACGGAGTC
72	276	db mining	Hs.105749	AB011125	3043629	mRNA for KIAA0553 protein, partial cds /cds=(0,3289)	1	GCCATACTCTGGCTGCCTCTTTGCCT TCCTAGGGGCATTTTCTTTAACTT
7:	277	db mining	Hs.105751	AL138761	8573811	DNA sequence from clone RP11-	1	TGCCTCTTATCTACTTGAGAGCAACA
						16H23 on chromosome 10. Contains the gene KIAA0204 (HSLK) for a		TGTCTTTCAATCATGGGATTGAC
						protein kinase, the COL17A1 gene for		
7:	278	db mining	Hs.324406	AK026741	10439662	collagen type XVII alpha 1 (BP180), ribosomal protein L41 (RPL41), mRNA	1	TGGACCTGTGACATTCTGGACTATTT
7'	279	db mining	Hs.108371	NM_001950	12669914	/cds=(83,160) E2F transcription factor 4, p107/p130-	1	CTGTGTTTATTTGTGGCCGAGTGT TGAAGGTGTCTGTGACCTCTTTGATG
		•		_		binding (E2F4), mRNA /cds=(62,1303)		TGCCTGTTCTCAACCTCTGACTGA
7:	280	db mining	Hs.109760	NM_002491	4505360	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3 (12kD, B12)	1	CCTGGAGTCCCTGAATAAAGATAAGA AGCATCACTGAAGATAATACCTGG
7:	281	db mining	Hs.109857	AF151783	14248494	(NDUFB3), mRNA /cds=(252,548) MEG3 (MEG3) mRNA, complete cds	1	TTGTCCCGAAGATTTGCGCCTTTAGT
		-			7000400	/cds=(52,2253)	1	GCCTTTTGAGGGGTTCCCATCATC CTGCTAGGCTCTGCCCACCGGCCAC
7	282	db mining	Hs 306417	NM_014714	7662193	cDNA FLJ10935 fis, clone OVARC1000661 /cds=(250,936)	'	CAACACTCCTGTAATTCCAATAAAG
7:	283	db mining	Hs.114199	BG621594	13672965	602617003F1 cDNA, 5' end /clone=IMAGE:4730856 /clone_end=5'	1	TTAAAATACTGTCATTGGTTGGGAGG GGATTGCATTAAATGATTAGTCCA
7	284	db mining	Hs.118786	BF131637	10970677	601820457F1 cDNA, 5' end	1	CTCACACACGCAGGCGACAGTCAGA
7	285	db mining	Hs.122559	NM_024872	13376307	/clone=IMAGE:4052246 /clone_end=5' hypothetical protein FLJ22570	1	ACAAACAGGAACAAAGCTACAACAC TGAATAGTGTGCAGACTCACAGATAA
				_		(FLJ22570), mRNA /cds=(0,1490)		TAAAGCTCAGAGCAGCTCCCGGCA
7.	286	db mining	Hs.123373	AW963279	8153115	602853825F1 cDNA, 5' end /clone=IMAGE:4994982 /clone_end=5'	1	CCCAGTGCTTCACGAAGTTAAAGGAA AGATCTGCTGGTAGTGTTTAGTCT
7	287	db mining	Hs.125078	AF090094	4063629	clone IMAGE 172979 /cds=UNKNOWN	1	CGAGCCGACCATGTCTTCATTTGCTT CCACAAGAACCGCGAGGACAGAGC
7	288	db mining	Hs.130740	AK000315	7020316	cDNA FLJ20308 fis, clone HEP07264	1	TTTTCCCCCTTTAGTCTCCTGGCTTTT
7	289	db mining	Hs.132955	AL132665	6137021	/cds=(90,1226) mRNA; cDNA DKFZp566E034 (from	1	TCCTTTCCCTTCCCTTCTCCACT AACCCGTTGTGGAAATTATTGGAATT
						clone DKFZp566E034); complete cds /cds=UNKNOWN		AACTGAGCCAAAGTGATTATGCAT
7	290	db mining	Hs.133230	BC000085	12652672	Homo sapiens, ribosomal protein S15,	1	GCCCCGATCCTACACCCTGAGCCT CAGAGCACTGCTACTTTTTAAAATA
						clone MGC.2295 IMAGE:3507983, mRNA, complete cds /cds=(14,451)		CAGAGCACTGCTACTTTTAAACTA
7	291	db mining	Hs.142677	AK024108	10436406	cDNA FLJ14046 fis, clone HEMBA1006461 /cds=UNKNOWN	1	AAGCGTCTCATGGAGTTCGGACTGGT TGGGGTGATAATATTTGTTTCTTT
7	292	db mining	Hs.146170	NM_022842	12383093	hypothetical protein FLJ22969	1	AAGCCAGGCTTTGGGATACAAGTTCT TTCCTCTTCATTTGATGCCGTGCA
7	293	db mining	Hs.146550	Z82215	3135984	(FLJ22969), mRNA /cds=(274,2223) DNA sequence from clone RP1-68O2	1	AGCTGTCACCACTACAGTAAGCTGGT
						on chromosome 22 Contains the 5' end of the APOL2 gene for apolipoprotein L		TTACAGATGTTTTCCACTGAGCAT
						2, the APOL gene for apolipoprotein L,		
						the MYH9 gene for nonmuscle type myosin heavy chain 9 ESTs, STSs and		
7	204	db mining	Un 140046	NIM 002212	4504772	GSSs /cds=(0,5882) integrin, beta 5 (ITGB5), mRNA	1	TGAAGGTACATCGTTTGCAAATGTGA
,	294	ab mining	Hs.149846	NM_002213	4504772	/cds=(29,2419)		GTTTCCTCTCCTGTCCGTGTTTGT
. 7	295	db mining	Hs.151738	NM_004994	4826835	matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase, 92kD type IV	1	GGATACAAACTGGTATTCTGTTCTGG AGGAAAGGGAGGAGTGGAGGTGGG
						collagenase) (MMP9), mRNA /cds=(19,2142)		
7	296	db mining	Hs.336451	NM_024519	13375657	Nucleoside diphosphate kinase type 6	1	CTGCCGCTGCCCAGCCACATCCCTT
7	297	db mining	Hs.154276	NM_001186	4502352	(inhibitor of p53-induced apoptosis- BTB and CNC homology 1, basic	1	GGTTTTGTATTTTATTTACAGAGTT TGCAGTAGACGATACAGGTTGCATGT
·	20,	25 mmg	710.101270	557.55	1002002	leucine zipper transcription factor 1		GGACACTCAGTCACATTAACAACT
7	298	db mining	Hs.155975	NM_005608	5032004	(BACH1), mRNA /cds=(118,2328) protein tyrosine phosphatase, receptor	1	CCCCAACCACAGGCATCAGGCAACC
						type, C-associated protein (PTPRCAP), mRNA /cds=(63,683)		ATTTGAAATAAAACTCCTTCAGCCT
7	299	db mining	Hs.159410	NM_014484	7657338	molybdopterin synthase sulfurylase	1	GTACTGAGGTGACTGGTATAGTCTGA
7	300	db mining	Hs.160999	AV648418	9869432	(MOCS3), mRNA /cds=(2,1384) AV648418 cDNA, 3' end	1	TGAGAAAGATGTGGATTGCCATAA CACTTGTTCAATCATGGAACTTTCTA
	301		Hs 164036	NM_002076	4504060	/clone=GLCBJC04 /clone_end=3'	1	GAACGCTGCCACTCTTCAAAGGCT TCATCACAGTGTGGTAAGGTTGCAAA
,	3U I	db mining	ns 104030	NIVI_002076	4504000	(Sanfilippo disease IIID) (GNS), mRNA	,	TTCAAAACATGTCACCCAAGCTCT
7	302	db mining	Hs.164478	NM_022461	11968002	/cds=(87,1745) hypothetical protein FLJ21939 similar	1	ACAACCTGATCATTGAAGCCAACTTT
•						to 5-azacytidine induced gene 2		GTCCCAGCACATTCCTTAAGTCCT
						(FLJ21939), mRNA /cds=(379,1557)		

7303	db mining	Hs 169615	NM_023080	12751496	hypothetical protein FLJ20989	1	ACTTGATTAGGCTCCGGTTTTCCTTT
7004	مالم سانسان	Un 171911	AV002759	10435787	(FLJ20989), mRNA /cds=(52,741) cDNA FLJ13696 fis, clone	1	GGCTTCTGCTTTTCAGTGAATGGC TTGCAGACAAATTCCTCTGAGCTTAG
7304	db mining	Hs 171811	AK023758		PLACE2000140 /cds=UNKNOWN	•	CTAGGAGTTCATTATGCTTCCTGT
7305	db mining	Hs 171992	NM_002843		protein tyrosine phosphatase, receptor	1	ACAGTAGCTTAGCATCAGAGGTTTGC
7206	dh minina	Hs 173373	AB023148		type, J (PTPRJ), mRNA mRNA for KIAA0931 protein, partial	1	TTCCTCAGTAACATTTCTGTTCTC ATGTGAGCCAGAGCATGTTGCAGCAA
7306	db mining	ns 1/33/3	AB023140		cds /cds=(0,2204)		ATCTATTGTTTGTAAAAATAACAA
7307	db mining	Hs 173638	NM_030756	13540470	transcription factor 7-like 2 (T-cell	1	TTTGTGCCATGTGGCTACATTAGTTG
					specific, HMG-box) (TCF7L2), mRNA /cds=(307,2097)		ATGTTTATCGAGTTCATTGGTCAA
7308	db mining	Hs 177534	NM_007207		dual specificity phosphatase 10	1	AGCCCAACCATTAAAAATTTAATACAA
			_		(DUSP10), mRNA /cds=(142,1590)	4	CTTGGTTTCTCCCCCTTTTTCCT GCAAAGAAAGAAGAATCCGAGGAGT
7309	db mining	Hs 177592	NM_001003	4506668	602761378F1 cDNA, 5' end /clone=IMAGE:4896906 /clone_end=5'	1	CTGATGATGACATGGGCTTTGGTCT
7310	db mining	Hs.179661	BC008791	14250651	Homo sapiens, tubulin, beta 5, clone	1	TTGAAAAGATGACATCGCCCCAAGAG
					MGC:4029 IMAGE:3617988, mRNA, complete cds /cds=(1705,3039)		CCAAAAATAAATGGGAATTGAAAA
7311	db mining	Hs 179986	NM 005803	6552331	flotillin 1 (FLOT1), mRNA	1	TTTTCCTGACCAAGACTGAGGGATGG
			_		/cds=(164,1447)		GCTGGAGGTTTTCAACTTTGCTAC
7312	db mining	Hs 180859	NM_016139	7705850	16.7Kd protein (LOC51142), mRNA /cds=(81,536)	1	TCTGGGACTGGGCAAATGTTTGTGTG GCCTCCTTAAACTAGCTGTTATGT
7313	db mining	Hs.181301	AK024855	10437263	cDNA: FLJ21202 fis, clone COL00293	1	AACCTAAACGTATTTCACTAACTCTG
			NINA 004500	7000007	/cds=UNKNOWN	1	GCTCCTTCTCCATAAAGCACATTT CCACCAAATGCATGTCATGT
7314	db mining	Hs.181311	NM_004539	7262387	asparaginyl-tRNA synthetase (NARS), mRNA /cds=(73,1719)	'	AATAGGCTGTATTCCCAGCAGTCA
7315	db mining	Hs.181391	AL390158	9368848	mRNA; cDNA DKFZp761G2113 (from	1	TGTACAGGTAGCTAACTTTGTAAACG
7246	dh minina	Hs.182281	NM 016407	7705482	clone DKFZp761G2113) /cds=(0,564) hypothetical protein (HSPC164),	1	CTGTGTATTCCCTCTGCCCCCATG TCTCATCATTTCGAAGATAGCAGAGT
7316	db mining	П5. 102201	NM_016407	1103402	mRNA /cds=(70,990)	•	CATAGTTGGGCACCCAGTGATTGG
7317	db mining	Hs.183180	NM_016476	13324711	anaphase promoting complex subunit	1	CAACAAGGTGGAAACAAGGGCTGGA
					11 (yeast APC11 homolog) (ANAPC11), mRNA /cds=(0,398)		GCTGCGTTTGTTTTGCCATCACTAT
7318	db mining	Hs 183593	NM_006965	5902161	• • •	1	GAGCATTCCTCAGGGGAGGTCACCT
70.40		11: 404000	11.407500	0000464	(ZNF24), mRNA /cds=(164,1270)	1	GTGAGGTTCCCAGAACTGTAGTTTT TGCAGGTGTTGACAAGATCCGCCATC
7319	db mining	Hs.184029	AL137509	6808164	Homo sapiens, clone MGC:2764 IMAGE:2958229, mRNA, complete cds	•	TGTAATGTCCTTGGCACAATAAAA
					/cds=(70,1785)		******************
7320	db mining	Hs.187652	AA833892	2907491	od64g04.s1 cDNA /clone=IMAGE:1372758	1	AAGAGTCTGACTTCTCACTAGGAGCA TGTCTGTTGTACTTACTTCAAACA
7321	db mining	Hs.188751	BG111636	12605142	602282682F1 cDNA, 5' end	1	CAAACACCAAACCAAGATAACACCGG
					/clone=IMAGE:4369892 /clone_end=5'		AACGATAAACAGCAGAAACAGAGA
7322	db mining	Hs.193392	U46120	1184779	expressed unknown mRNA	1	TGGGTTTGTCCAGTTCAGGCTAGATG
	•				/cds=UNKNOWN		TGCATCATGGCAGGAAGAAGAAG
7323	db mining	Hs.195453	NM_001030	4506710	ribosomal protein S27 (metallopanstimulin 1) (RPS27), mRNA	1	AAGGATGTTCCTTCAGGAGGAAGCA GCACTAAAAGCACTCTGAGTCAAGA
7324	db mining	Hs.196914	D86976	1504025		1	CGGAAGCCACCGTGTGGTTCTTTCAC
7005	حداد مداسات	Lla 100201	NIM DOOREA	4505030	/cds=(0,3498) pyruvate kinase, muscle (PKM2),	1	AGGCACGTTTATTTTGCTGAAATA CCTCCACTCAGCTGTCCTGCAGCAAA
/325	db mining	Hs.198281	NM_002654	4505838	mRNA /cds=(109,1704)		CACTCCACCTCCACCTTCCATTT
7326	db mining	Hs.200317	AB037825	7243188	mRNA for KIAA1404 protein, partial	1	TCCCTCCTTCCAGTGTTCCTTAGAAC
7327	db mining	Hs 202613	BG284262	13035032	cds /cds=(64,5841) 602407238F1 cDNA, 5' end	1	AGACATTTAGGTATCTCAGGTCCT CAGCCGCAGCATCTAAACGAACAACA
, 02,	oo maaag	170.2020.0	20201202	,,,,,,,,,	/clone=IMAGE:4519449 /clone_end=5'		GAGGAGAACGACGAGGACAGAGTT
7328	db mining	He 210778	AL136679	12052881	mRNA; cDNA DKFZp564C1278 (from	1	TCACTGGATTTCTGTGTCTTCACTAG
7328	ab minnig	115.210776	AL130079	12002001	clone DKFZp564C1278); complete cds	•	AACACCATTGTCATCTCATATTGA
					/cds=(104,1690)		GCTTCTCTCGCACCCCCAGCACCTCT
7329	db mining	Hs.211594	NM_006503	5729990	proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4), mRNA	1	GTCCCAAAACCTCATTCCCTTTTT
					/cds=(12,1268)		
7330	db mining	Hs.226307	NM_004900	4758159		1	AGCTGCTCACAGACACCAGCAAAGC AATGTGCTCCTGATCAAGTAGATTT
					mRNA editing protein) (DJ742C19.2), mRNA /cds=(79,651)		ATOTOTOTOTOTOTOTOTO
7331	db mining	Hs 326048	NM_006319	5453905	cDNA FLJ14186 fis, clone	1	ATGCTCATGTGGTGTCCCCACCGCC
7332	db mining	Hs 227835	NM_014972	14149656	NT2RP2005726 /cds=UNKNOWN KIAA1049 protein (KIAA1049), mRNA	1	CACTTGTTTGATGTCACTGACTGTC GCTGAGTGTGTCGCTCCCTGGTCCA
1002	an mining	113 221 000	1417_017072	1117000	/cds=(96,2126)		CTGTTTCTCCTATAAATGTAAATGG
7333	db mining	Hs.231967	NM_014423	7656878	ALL1 fused gene from 5q31 (AF5Q31),	1	TGCAGCACATTGATAAGATGGTTTCC GTGAGCTATGATAAGATTGAAATT
7334	db mining	Hs 232400	NM_031243	14043071	mRNA /cds=(337,3828) heterogeneous nuclear	1	ATAAATATGCAGTGATATGGCAGAAG
					ribonucleoprotein A2/B1 (HNRPA2B1),		ACACCAGAGCAGATGCAGAGAGCC
7335	db mining	Hs.236131	NM_022740	13430859	transcript variant B1, mRNA homeodomain-interacting protein	1	TTGAACCGGGAAGTGGGAGGACGTA
1000	at mining	113.200101	1441_022/40	, 0,0000	kinase 2 (HIPK2), mRNA	•	GAGCAGAGAAGAACATTTTTAAA

7336	db mining	Hs.343556	AF090896	6690168	clone HQ0131 PRO0131 mRNA,	1	TTTGCTCATTCTAAACTCAAGCTTTTA AGCCTCACAGAATTTACAGGGGT
7337	db mining	Hs.238936	BG538032		partial cds /cds=(0,233) 602563534F1 cDNA, 5' end	1	GCCATAGGCTTACATGGGGCATACTC
7000	alle antinina	Un 041410	NIM DODGO	13562089	/clone=IMAGE.4688193 /clone_end=5' apolipoprotein L, 2 (APOL2), mRNA	1	GTTACACAGTCAGAATGTTTGAAA GGTCTCTCGCTCTGTCTTTCCAGCAT
7338	db mining	ΠS 24 14 12	NM_030882		/cds=(477,1490)		CCACTCTCCCTTGTCCTTCTGGGG
7339	db mining	Hs 241471	AL133642		mRNA; cDNA DKFZp586G1721 (from clone DKFZp586G1721); partial cds /cds=(0,669)	1	TCAGCACCAAGTCATGTTTAAAAGAC CAGAGAGACAAGCATTTTGCCAAG
7340	db mining	Hs 245188	NM_000362	9257248	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory) (TIMP3), mRNA /cds=(1183,1818)	1	CGAACCCTGTCTAGAAGGAATGTATT TGTTGCTAAATTTCGTAGCACTGT
7341	db mining	Hs.249170	NM_012476		ventral anterior homeobox 2 (VAX2), mRNA /cds=(32,904)	1	CAAATGGCCTTGGTCCCGCAGCTTGT GTGCGTGAGTGCAGTGTGAGTGTG
7342	db mining	Hs.258551	NM_012100	6912247	aspartyl aminopeptidase (DNPEP), mRNA /cds=(151,1578)	1	CTCTTGGAAAGACTTCTCTGCCATCC CTTTGCACCTGAGAGGGGAAGTTC
7343	db mining	Hs.259412	BG772376	14083029	602722490F1 cDNA, 5' end /clone=IMAGE:4839143 /clone_end=5'	1	GGCGCGGTGACCCACTTATGGGACT TGGCCTTTCTTTGTTGTTTGTTTAA
7344	db mining	Hs.259577	AW665292	7457838	hj02c11.x1 cDNA, 3' end /clone=IMAGE:2980628 /clone_end=3'	1	ACCCAGTTCATGATTACTTCTACTCTT AACACTCAATCCCCCTAATTAAACC
7345	db mining	Hs 259679	AW956608	8146291		1	TTCGATAAACAGCGTTGACTTGCTTG TACCACTTAAGAGTTGTGAGTGCT
7346	db mining	Hs.265827	NM_022873	13259549	interferon, alpha-inducible protein (clone IFI-6-16) (G1P3), transcript variant 3, mRNA /cds=(107,523)	1	TCCAGAACTTTGTCTATCACTCTCCC CAACAACCTAGATGTGAAAACAGA
7347	db mining	Hs.265891	AK001503	7022798	cDNA FLJ10641 fis, clone	1	GGGATCTTTCAAATGGATAGTGAGTT GCCTTTTCCTATAGGTGACAATCA
7348	db mining	Hs.266456	AW768693	7700715	NT2RP2005748 /cds=UNKNOWN hk65e11.x1 cDNA, 3' end /clone=IMAGE:3001580 /clone_end=3'	1	AGAGCAAGCATTACAGAAAATAGGTC TGGAAGACAGGAAAAAGACAAAGA
7349	db mining	Hs.267368	NM_017842	8923451	hypothetical protein FLJ20489	1	ATGTGTCCTGCCCCTCAGCTCTTGC
7350	db mining	Hs 267812	NM_003794	4507144	(FLJ20489), mRNA /cds=(482,1201) sorting nexin 4 (SNX4), mRNA	1	TCCTGTGAATTGAATTTCTCTTCAATC
7351	db mining	Hs.272027	NM_012177	6912365	/cds=(0,1352) F-box only protein 5 (FBXO5), mRNA	1	AAAGTGCCCCAAACAGAAGCACA AGGTCCCCTGCCTGGTACAAAGAAAA GCAAAAAGAATTTACGAAGATTGT
7352	db mining	Hs.272534	AL080068	5262475	/cds=(61,1404) mRNA; cDNA DKFZp564J062 (from clone DKFZp564J062)	1	GCCAGAAGCATAATTTACCAGAGACG AGAACAGGGTGTGGGAGAGAGAA
7353	db mining	Hs.273415	NM_000034	4557304	/cds=UNKNOWN aldolase A, fructose-bisphosphate	1	TCTTTCTTCCCTCGTGACAGTGGTGT GTGGTGTCGTCTGTGAATGCTAAG
7354	db mining	Hs.273830	AK022804	10434416	(ALDOA), mRNA /cds=(167,1261) cDNA FLJ12742 fis, clone	1	CAGTCAAACATTTTACCTTGTGCCTT GGCTCACTCTGTGCCTTTTCTCCA
7355	db mining	Hs 274287	AK001508	7022805	NT2RP2000644 /cds=UNKNOWN cDNA FLJ10646 fis, clone NT2RP2005773, highly similar to pyrroline 5-carboxylate reductase	1	ACAGGAAACGGGCTTTCTCTGAATTG GTAAATGGGAAAGAAGTGAGCAAC
7356	db mining	Hs.275163	NM_002512	4505408	isoform mRNA /cds=UNKNOWN non-metastatic cells 2, protein (NM23B) expressed in (NME2), nuclear gene encoding mitochondrial protein,	1	GTCCCTGGACACAGCTCTTCATTCCA TTGACTTAGAGGCAACAGGATTGA
7057	مالد مداماند	He 070040	A1435440	4200040	mRNA /cds=(72,530) th95e09.x1 cDNA, 3' end	1	ACCCTCGCCACAAGATTCTGCAATCT
7357	db mining		Al435118		/clone=IMAGE:2126440 /clone_end=3'		CCTAAAGTACAGATGAGAAAGGAA TGCCAAGGGGTTAATGAAACAAATAG
7358	db mining		AF135794		AKT3 protein kinase mRNA, complete cds /cds=(0,1439)	1	CTGTTGACGTTTGCTCATTTAAGA
7359	-		AK027035	10440049	/cds=UNKNOWN	1	CAGTGGCACACCTTAACCAGTCACTA ATTTTCACTGTTGTGAAAGTGATT CCCAGTGCCACAGAGAGACACGGGAT
7360	db mining	Hs 283007	_	5453913	mRNA /cds=(87,1568)	1	TTGAAGCTGTACCCAATTTAATTCC
7361	db mining	Hs 283565	_		FOS-like antigen-1 (FOSL1), mRNA /cds=(34,849)	1	TGAGCCCTACTCCCTGCAGATGCCAC CCTAGCCAATGTCTCCTCCCCTTC
7362	-		AK026646		cDNA: FLJ22993 fis, clone KAT11914 /cds=UNKNOWN	1	GCAGGGAGGGAGGATAAGTGGGAT CTACCAATTGATTCTGGCAAACAA
7363	db mining		AF246229		AF246229 cDNA /clone=RB82	1	GGCCACTACCTTTGTTGGAAACAAAG CATAAGGGAGTGAAAGTGTCTAAA
7364	db mining	Hs.284893	AF246230		AF246230 cDNA /clone=RB16	1	GCTGGCCCGATCTCTCCCCACAGTT GCAAGAAGCATTTTCAAAGAATAGT
7365	db mining	Hs.285280	AK024885	10437298	cDNA: FLJ21232 fis, clone COL00752 /cds=UNKNOWN	1	ATTGGGATGAAACTACTTTAGCAAAG TCCACAGATCAGAAACCAGACGGT
7366	db mining	Hs 288038	NM_006625	12056474	TLS-associated serine-arginine protein 1 (TASR1), mRNA /cds=(72,623)	1	AGGAGACTGGGTGCTATAATTAGATT ATTTTGAGGCAGACAGAGCTGT
7367	db mining	Hs 288283	AK026008	10438707		1	AGCCTGCAAGGTTAGGACTTGAAGA GGGAAGGTATTTAATAACTGGGCGA

7368	db mining	Hs 289043	AL136719		mRNA; cDNA DKFZp566G0346 (from clone DKFZp566G0346); complete cds	1	TTAGTGCAGTTGGAATGAATGTGTAT AGGTCAGAGGTCTTCGTGTTCACA
7369	db mining	Hs.289087	AK024468	10440449	/cds=(278,790) mRNA for FLJ00061 protein, partial cds /cds=(0,522)	1	TCACCTCTCAGTTGAAAGATTTCTTCT TTGAAAGGTCAAGACCGTGAACT
7370	db mining	Hs 290494	BF475245	11544422	EST 003 cDNA, 5' end /clone_end=5'	1	AGTCTGGATGTAAGGCCTGCCTCAAA GAGACACTAATGGGAGGGAACAAA
7371	db mining	Hs 290874	BE730505	10144599	601562627F1 cDNA, 5' end /clone=IMAGE.3832302 /clone_end=5'	1	AAAGGAAGAAGCACGATGCAAACAG AAACAAGACGAGACAGAGTGAGCGA
7372	db mining	Hs.332403	NM_024113	13129129	hypothetical protein MGC4707 (MGC4707), mRNA /cds=(72,1067)	1	ACTGCTTCAAGTCTTGACCCCTTTGT GTCTAATAGCTAAACAAACATGTG
7373	db mining	Hs 292998	AW972292	8162138	EST384381 cDNA	1	AACAATAGGAATAAGGTTACTTCAGC CTTAAGGGGCTTATCATACTGCTG
7374	db mining	Hs.293984	NM_032323	14150097	hypothetical protein MGC13102 (MGC13102), mRNA /cds=(161,1345)	1	GACAGGGAAATCTGCCTACCAAGAG GGGTGTGTGTGTCTTTGTGCCCACA
7375	db mining	Hs.295362	AK027365	14041993	cDNA FLJ14459 fis, clone HEMBB1002409 /cds=UNKNOWN	1	AACAAGTCCATGACTCCCAAGGGTTT AAGGACCAATGGTTCAGTGAGACA
7376	db mining	Hs 297964	BF836049	12187621	RC1-HT0975-161100-011-g07 cDNA	1	ACACTCATACTCATATGTACGTGCTC AGTCGAACGGACTGCAGTCCGTTC
7377	db mining	Hs.299329	AK000770	7021066	cDNA FLJ20763 fis, clone COL09911 /cds=UNKNOWN	1	TACTGCTATGGAATGAGACCACCACT TCTCCTGTTGTCCTTCCCAGCTTC
7378	db mining	Hs.300631	AK022958	10434651	cDNA FLJ12896 fis, clone NT2RP2004194, weakly similar to Rattus norvegicus Golgi SNARE GS15	1	TGCCAAGTGAGGACAAACTGCTAGG CTGTATCCCATAATTTCAGGATGAG
7379	db mining	Hs,301417	M80899	178282	mRNA /cds=UNKNOWN novel protein AHNAK mRNA, partial	1	AAACCGACCGCCTGTAGGCTCCTGG
7380	db mining	Hs.301612	NM_005253		sequence /cds=(0,3835) FOS-like antigen 2 (FOSL2), mRNA	1	AACTATACAGATAGGTAAAGAGTTC GACCAATCATCAGACTCCTTGAACTC
7381	db mining	Hs 301636	NM_000287	4505728	/cds=(3,983) peroxisomal biogenesis factor 6	1	CCCCACTCTGCTGGCTCTGTAACC AGAGATCCAGGTGCAAGTGGATTGA
7382	db mining	Hs.337774	NM_004723		(PEX6), mRNA /cds=(70,3012) rho/rac guanine nucleotide exchange	1	GACAGCAGCAACAGCTCAAGAGATA ATGTCCCTTTCTCCTCTCC
1502	ub mining	113.007174	1411_004720	1100017	factor (GEF) 2 (ARHGEF2), mRNA /cds=(112,2988)		CTCTTACTGCTGTTCTCCCTTTCT
7383	db mining	Hs.318568	BF475243	11544420	EST 001 cDNA, 5' end /clone_end=5'	1	ACATCCATAGAACAATACATCAAAGT TGTTGAAGTGTTGCAGGGGAGGGC
7384	db mining	Hs.318569	BF475244	11544421	EST 002 cDNA, 5' end /clone_end=5'	1	AGCACTTACTGTCAGGCATTCAGAAT GTGAGCAATGACAATAATTTACCT
7385	db mining	Hs.321709	NM_002560	4505548	purinergic receptor P2X, ligand-gated ion channel, 4 (P2RX4), mRNA	1	AATCTGATTGAGTCTCCACTCCACAA GCACTCAGGGTTCCCCAGCAGCTC
7386	db mining	Hs.322478	D38491	559327		1	AACCCAAGAAAAGAGTTGCTCTTACT ATCTACTGCTGACTCTTGAACTTT
7387	db mining	Hs 323114	AK023846	10435906	cDNA FLJ13784 fis, clone PLACE4000593 /cds=UNKNOWN	1	TTCGTAGGTGGGCTTTTCCTATCAGA GCTTGGCTCATAACCAAATAAAGT
7388	db mining	Hs.323949	NM_002231	13259537		1	AGGTGGGCTGGACTTCTACCTGCCC TCAAGGGTGTGTATATTGTATAGGG
7000	مال سائد ما	Ha 224607	NIM 004504	13375667	mRNA /cds=(181,984)	1	TGTGTCAGAATGGCACTAGTTCAGTT
7389	_	Hs.324507	_		(FLJ20986), mRNA /cds=(182,2056) Homo sapiens, clone IMAGE:3690478,	1	TATGTCCCTTCTGATATAGTAGCT CTATCAGCCCCAAGTGGAGCAGAAC
7390	db mining	Hs 326447	-	13592532	mRNA, partial cds /cds=(0,71)	1	AGAGGATTTGGGAGGAATGTCCTC TGCTAAGGAGAGGGGCCATGAAGAG
7391	db mining db mining	Hs.333558 Hs.334303			gu.seq395250 cDNA	1	TTTTGTTGAGAACATCGTGTCTGAG AGTCAGAACTTCAAGTCCCCATTAAA
7392	db mining	Hs 334804			hemoglobin, alpha 1 (HBA1), mRNA	1	GGGGCTGGAAAATACAAGTACAGT CTCCCCTTCCTGCACCCGTACCCCC
7393 7394		Hs.334853	_	14149953	/cds=(37,465)	1	GTGGTCTTTGAATAAAGTCTGAGTG CAGATGGTTGTGGGGTCAAGTACATC
7395			NM_032695		(FLJ23544), mRNA /cds=(125,517) Prothymosin, alpha (gene sequence 28)	1	CCCAGTCGTGGCCCTTTGGACAAG TTTTGGCCTGTTTGATGTATGTGTGA
7396	-	Hs 336689		2223318		1	AACAATGTTGTCCAACAATAAACA AGCCTAGGTGACAGAGCAAGACTCC
7397			BF791433	12096487		1	ATTTCAAAAACAAAACAAAACAAAA ACACTGAGAATACACGACATACACGC
	•				transcript variant 1, mRNA /cds=(37,429)	1	ACGCACAAGACAACAGACAGC CAGCCACCTCCTCAGGTCAGACAAG
7398	Table 3A	NA	AA077131	1836605	cDNA Library cDNA clone 7B08E10, mRNA sequence	,	CCCAGCACCCAAATACCACTATCTG
7399	Table 3A	NA	AA501725	2236692		1	GGCTTCCCTATTACCTCCCAGCGAAA TTCGTAGTCTTTCTCTATGGAGTT

7400	Table 3A	NA	AA501934		nh56a10.s1 NCI_CGAP_Pr8 cDNA	1	TGCTGATGTGTTAGGTAGTTGTGGCA
7401	Table 3A	NA	AA579400		clone IMAGE.956346, mRNA sequence nf33d05 s1 NCI_CGAP_Pr1 cDNA	1	CACTCACCTGTCTTTCCTAAATGC TTCATGCTCAGCAAAACAACGTTTTA
7-701	Table of	14.			clone IMAGE.915561 similar to contains		GGATGGTGAGAGAAGACAAAGTAA
7402	Table 3A	NA	AF249845		Alu repetitive element,contains isolate Siddi 10 hypervariable region I,	1	TATTAACCACTCACGGGAGCTCTCCA
7403	db mining	Hs 277051	AI630242		mitochondrial sequence ad07c09 y1 cDNA /clone=ad07c09-	1	TGCATTTGGTATTTTCGTCTGGGG TTACCTGCTTTGCATGCTCTCCATCG
	-				(random)	1	TCAAAGTCTTCTGGAAACTTAGGC CCCCACCCCAACACATACAAACGTTT
7404	db mining	Hs 277052	Al630342		ad08g11 y1 cDNA /clone=ad08g11- (random)	•	CCCACCAATCCTTGAACTGCAAAA
7405	db mining	NA	Al732228		nf19e05 x5 NCI_CGAP_Pr1 cDNA clone IMAGE.914240 similar to contains Alu repetitive element, mRNA s	1	TTCAAGGTCCCAATACCCAACTAACT CGAAGGAAGAAATGGAAATCTATT
7406	Table 3A	Hs.197803	AW379049	6883708	mRNA for KIAA0160 gene, partial cds /cds=(0,2413)	1	TGCACAGAACTCTTACTTACATGTCT CATCGAAACTCCAGAACACCGTCG
7407	Table 3A	Hs.232000	AW380881	6885540	UI-H-Bi0p-abh-h-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2712035	1	TGCATGTATCCCGGTAATTCAAATCC AATTTCACAGCCACTGCTGAATAT
7408	Table 3A	Hs.325568	AW384988		602386081F1 cDNA, 5' end	1	TACAGGAAAATGAAACTAGACGGGTG
7409	Table 3A	NA	AW836389		/cione=IMAGE:4514972 /cione_end=5' PM0-LT0030-101299-001-f08 LT0030	1	GGGGACACTAGAATGAAAACCAGT AGTTTCTGCTTTCAGTGACTGAGGCT
7409	Table 3A	IN/A	AV1000000		cDNA, mRNA sequence		TTGCTTTAACCTGGTGACTCCCAA
7410	Table 3A	NA	AW837717	7931691	CM2-LT0042-281299-062-e11 LT0042 cDNA, mRNA sequence	1	TCCCACTTCAAGTTAAGCACCAAAGC AATCACTAATTCTGGAGCACAGGA
7411	Table 3A	NA	AW837808	7931782	CM1-LT0042-100300-140-f05 LT0042	1	CATGGATGGGGGCAGTGGTGTTTCT AGTGTGTGAGGAAGCAGAGCAG
7412	Table 3A	NA	AW842489	7936472	cDNA, mRNA sequence PM4-CN0032-050200-002-c11	1	TCACCACAGATGGGAAGATCGTTTCC
			A14/0 400F0	7040070	CN0032 cDNA, mRNA sequence QV3-CT0195-011099-001-c09 CT0195	1	TGAAAACAGTCTATAAATCACAGA CAGACGCTCCAGTGCTGCCGAGGTT
7413	Table 3A	NA	AW846856		cDNA, mRNA sequence	•	AGTGTGTTTATTAGACCTGAAATGA
7414	Table 3A	NA	AW856490	7952183	PM4-CT0290-271099-001-c04 CT0290 cDNA, mRNA sequence	1	CCCTTTAGGCCTCTTGCCCGAACAGT GAACACTAATAGATATCCTAAGCT
7415	Table 3A	NA	AW891344	8055549	PM2-NT0079-030500-001-a04 NT0079	1	ATGGGGATCATGTTTTATTTTTCTCTA TATAATGGGCCAGTGTGTTCCCA
7416	Table 3A	NA	BE061115	8405765	cDNA, mRNA sequence QV0-BT0041-011199-039-f09 BT0041	1	AGCTGTAGACCATAAGCCACCTTCAG
7447	Table 24	NΙΔ	BE086076	8476460	cDNA, mRNA sequence PM2-BT0672-130400-006-h09 BT0672	1	GTAGTGGTTTGGGAAATCAAGCAA TGTACTTATGCTTGTCTTCTCTACCTG
7417	Table 3A	NA	BE000070		cDNA, mRNA sequence		CCCCCAGTCTTGAAGTGGTGGAA
7418	Table 3A	NA	BE091932	8482384	IL2-BT0733-130400-068-C11 BT0733 cDNA, mRNA sequence	1	GGAGGGTGTGGGAAGCAAGAGAAGA ACATTCTGTTAGGGGCAGAGAAGAA
				*******		1	GCATCTCCAGCTTTCATAGTTACCCA
7419	Table 3A	Hs.173334	BE160822	8623543	ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)	1	ACTTGTAAACCAGAAGATGTGCTG
7420	Table 3A	NA	BE163106	8625827		1	GGCCAGTGCCAGACGGTAGCTAGTT GGATGCTAAAGGTAGAATTTAGATA
7421	Table 3A	Hs.301497	BE168334	8631159	cDNA, mRNA sequence arginine-tRNA-protein transferase 1-1p	1	GGCATTGTAGGTTGACACCAGCAAAG
					(ATE1) mRNA, alternatively spliced product, partial cds /cds=(0,1544)		ACTCAGAGTGACTTGAGCATTGGA
7422	Table 3A	Hs.172780	BE176373	8639102	602343016F1 cDNA, 5' end /clone=IMAGE:4453466 /clone_end=5'	1	AGCCCATTTGGATATGGCCCATCTTT ACCTAATGGCTACTATAGTGAGGT
7423	Table 3A	NA	BE177661	8656813	RC1-HT0598-020300-011-h02 HT0598	1	AATCACAGCAGTAACTCCCAGTAGGA
7404	Toble 2A	NA	BE178880	8658032	cDNA, mRNA sequence PM1-HT0609-060300-001-g03 HT0609	1	AAGATTCTCAAAGGAATAGTTCTT AATGGTCAGGCACAGGTAGAATCAAA
7424	Table 3A	INA	BE170000		cDNA, mRNA sequence		GTCCTGTATGTATGTTCACACAGA
7425	Table 3A	NA	BE247056	9098807	TCBAP1D6404 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-	1	TACCTGAAGGTGTAGAGAGTGCCCG CATCCAGCAAGGCCAACAGCTCCAC
7426	Table 3A	Hs.11050	BE763412	10193336	HGSC project=TCBA cDNA clone T mRNA; cDNA DKFZp434C0118 (from	1	CTGTGTTTTTCCCAAAGCAACAATTTC
1420	Tubic of t	710.77000			clone DKFZp434C0118); partial cds		AAACAAAGTGAGAGCCACTGACA
7427	Table 3A	NA	BF330908	11301656	/cds=(0,1644) RC3-BT0333-310800-115-f11 BT0333	1	GACTCCGAGCTCAAGTCAGTCTGTAC
			DE257502	11216507	cDNA, mRNA sequence CM2-HT0945-150900-379-g06 HT0945	1	CCCCAACCCCTAACCCACTGCATC TGTAACTGACTTTATGTATCACTCAAG
7428	Table 3A	NA	BF357523		cDNA, mRNA sequence		TCTTGCCTTTACTGAGTGCCTGA
7429	Table 3A	NA	BF364413	11326438	RC6-NN1068-070600-011-B01 NN1068 cDNA, mRNA sequence	1	TCTCTCTAACCAAAACTGTAATCTTCA GGACCAGCAAACTCAGCCCAAGG
7430	Table 3A	NA	BF373638	11335663		1	AACTCTTGGTTAAATGGGTTAATAGA GGATTGGAACACTTTGTTTGCTGT
7431	Table 3A	NA	BF740663	12067339	QV1-HB0031-071200-562-h04 HB0031	1	AGAAGCAAACCTGTGAAGCTACTATC
7432	? Table 3A	NA	BF749089	12075765	cDNA, mRNA sequence MR2-BN0386-051000-014-b04	1	GTTTATCATCAGTGTGAATGCACT GGACTAACTTCCACCTCCTCTGCTAC
					BN0386 cDNA, mRNA sequence	1	TTCCAGCTGCTTCTAATCACACTT AGTCTTCCACCCAGCATAGGTATCAC
7433	3 Table 3A	NA	BF758480	12106380	MR4-CT0539-141100-003-d05 CT0539 cDNA, mRNA sequence	•	ACAACCAGCTCTGTTTTACTCCTG

7434	Table 3A	NA	BF773126	12121026	CM3-IT0048-151200-568-f08 IT0048	1	TTAGCTGGTACATTGTTCAGAGTTTA
7435	Table 3A	NA	BF773393	12121293	CDNA, mRNA sequence CM2-IT0039-191200-638-h02 IT0039	1	CTGGGAGCCGGTAAGATAGTCACC AGCGTGATGCTTCCTCATGTCGGTGA
7436	Table 3A	NA	BF805164	12134153	cDNA, mRNA sequence QV1-Cl0173-061100-456-f03 Cl0173 cDNA, mRNA sequence	1	TTTTCTGTTGAGACATCTTCAAGC ACAAAAGTATGGAATTCAATTC
7437	Table 3A	NA	BF818594	12156027		1	AGA TGTAATTGATTTCCGCATAAACGGTC
7438	Table 3A	NA	BF827734	12171909	cDNA, mRNA sequence RC6-HN0025-041200-022-F08	1	ATTACTGGCACCTATGGCAGCACC GTGATCCACTTGGAGCTGCTACTGGT
7439	Table 3A	NA	BF845167	12201450	HN0025 cDNA, mRNA sequence RC5-HT1035-271200-012-F08 HT1035	1	CCCATTGAGTCCTATAGTACTTCA TGCCATGAAATCTCTATTAATTCTCAG
7440	Table 3A	NA	BF869167	12259297	cDNA, mRNA sequence IL5-ET0119-181000-181-b11 ET0119	1	AAAGATCAAAGGAGGTCCCGTGT CCCACCTGGCAAATCCTCAAGTGTGA
7441	Table 3A	NA	BF875575		cDNA, mRNA sequence QV3-ET0100-111100-391-c02 ET0100	1	CCCTAGTCATCTTTCTCCTTTTGG GCTAAACAGAAAAGAACCTGAAGTAC
7442	Table 3A	NA	BF877979	12268109	cDNA, mRNA sequence	1	AGTTCCCGTCTTCAAAGAAGATGC ATCCTCCTCCCCTGGGATGGCATAGA
7443	Table 3A	NA	BF897042	12288501	cDNA, mRNA sequence IL2-MT0179-271100-254-C11 MT0179	1	AGAGACTTTAAAACCAAATGAGCC GTCAGTAAGCTCTGCCTGCCAAGAAG
7444	Table 3A	NA	BF898285		cDNA, mRNA sequence		ACACAGTGAGAGGTGTCCACAGTC
					QV1-MT0229-281100-508-e11 MT0229 cDNA, mRNA sequence	1	GTTTCCACTTAGTTACTTCTTCCTACC TGCTGTGAAGCTCTGCACCCTGC
7445	Table 3A	NA	BF899464	12290923	cDNA, mRNA sequence	1	AGAGTAATCCACATCCCAGGGACAGT CACAATGACCTACGGCTTTAGCTG
7446	Table 3A	Hs.324473	BF904425	12295884	40 kDa protein kinase related to rat ERK2 /cds=(134,1180)	1	GCAGGGCTACACCAAGTCCATTGATA TTTGGTCTGTAGGCTGCATTCTGG
7447	Table 3A	NA	BF906114	12297573	IL3-MT0267-281200-425-A05 MT0267 cDNA, mRNA sequence	1	TCTTCTCTAAAATGCCCTCCTCTCCTT CCTTTTTCCAGACCTGGTTTAAA
7448	Table 3A	Hs.104679	BF926187	12323197	Homo sapiens, clone MGC:18216 IMAGE:4156235, mRNA, complete cds	1	TCGCCATTTGGTAGTTCCACAGTGAC TGCTCTTCTATTTTACGAAGCCAC
7449	Table 3A	Hs.75703	BF928644	12326772	/cds=(2206,2373) small inducible cytokine A4 (homologous to mouse Mip-1b)	1	GTAGATTACTATGAGACCAGCAGCCT CTGCTCCCAGCCAGCTGTGGTGTG
7450	Table 3A	NA	BG006820	12450386	(SCYA4), mRNA /cds=(108,386) RC4-GN0227-271100-011-d03	1	TTTCCTTTTCGCTGACTTTCTCACTCA
7451	Table 3A	NA	F11941	706260	GN0227 cDNA, mRNA sequence HSC33F051 normalized infant brain	1	CTGTCTGTCTCTCATTTTCTCCA TGGTAAGTTTCTGGCAGTGTGGAGAC
7452	Table 3A	NA	U46388		cDNA cDNA clone c-33f05, mRNA HSU46388 Human pancreatic cancer	1	AGGGGAATAATCTCAACAGTAGGT CCATGGTGGTGCTTGACTTTGCTTTG
					cell line Patu 8988t cDNA clone xs425, mRNA sequence		GGGCTTAATCCTAGTATCATTTGG
7453	Table 3A	NA	U75805	1938265	HSU75805 Human cDNA clone f46, mRNA sequence	1	TCAGTGGGTGTTGGTTGTCCATTAGT TGAGACTTAGTTGTTGCTCTGGGA
7454	Table 3A	NA	W27656	1307658	36f10 Human retina cDNA randomly primed sublibrary cDNA, mRNA	1	GGCTGGACAGCAGATGATTCAAATCT
7455	literature	NA	X17403	59591	Human cytomegalovirus strain AD169	1	CAATACTACATGCCCATTCTGTGG AATAATAGATTAGCAGAAGGAATAAT
7456	literature	NA	X17404	59591	complete genome Human cytomegalovirus strain AD169	1	CCGTGCGACCGAGCTTGTGCTTCT TTTTGCGAACTTTTAGGAACCAGCAA
7457	literature	Hs.2799	X17405	59591	complete genome Cartilage linking protein 1	1	GTCAACAAAGACTAACAAAGAAA GAGATCGACATCGTCATCGACCGAC
7458	literature	Hs.2159	X17406	59591	mRNA for cartilage specific	1	CTCCGCAGCAACCCCTACCCAATCC ACATTCAAAAGTTTGAGCGTCTTCAT
7459	literature	NA	X17407		proteoglycan Human cytomegalovirus strain AD169	1	GTACGCCGTTTTCGGCCTCACGAG CCAACGACACATCCACAAAAATCCCC
7460	literature	NA	X17408		complete genome Human cytomegalovirus strain AD169		CATCGACTCTCACAATCGCATCAT
7461	literature	NA	X17409		complete genome	1	CTTTGAGCAGGTTCTCAAGGCTGTAA CTAACGTGCTGTCGCCCGTCTTTC
7462	literature	NA	X17410		Human cytomegalovirus strain AD169 complete genome	1	GATGTCCGTCTACGCGCTATCGGCC ATCATCGGCATCTATCTGCTCTACC
					Human cytomegalovirus strain AD169 complete genome	1	TCTTCTGGGACGCCAACGACATCTAC CGCATCTTCGCCGAATTGGAAGGC
	literature	NA	X17411		Human cytomegalovirus strain AD169 complete genome	1	ACGAACAGAAATCTCAAAAGACGCTG ACCCGATAAGTACCGTCACGGAGA
7464	literature	NA	X17412		Human cytomegalovirus strain AD169 complete genome	1	AGAGAACAACAAAACCACCACGACGA TGAAACAAAACGCTCAACCAAACA
7465	literature	NA	X17413	59591	Human cytomegalovirus strain AD169	1	CTGCATCGTCGTCGTCCTCCTCT
7466	literature	NA	X17414	59591	complete genome Human cytomegalovirus strain AD169	1	CGGAGATCGCGACGGAGAAACAAC CTGAGCCTGGCCATCGAGGCAGCCA
7467	literature	NA	X17415	59591	complete genome Human cytomegalovirus strain AD169	1	TCCAGGACCTGAGGAACAAGTCTCA CCTCTGGAGGCAAGAGCACCCACCC
7468	literature	NA	X17416	59591	complete genome Human cytomegalovirus strain AD169 complete genome	1	TATGGTGACTAGAAGCAAGGCTGAC TTCGTGGGCACCAAGTTTCGCAAGAA CTACACTGTCTGCTGGCCGAGTTT
					-		

Table 8

AGGAGTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGCAACTTTGGGCAACCTTTGGGCAACCTTTGGGCAACCTTTGGCAACTTTGGGCAACCTTTGGCAACTTTGGGCAACCTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCAACTTTGGCCAACCTTGGCAACTTGGCAACTTGGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGGCAACTTGAACTTAACTAAC	7469	literature	NA	J01917	209811	Adenovirus type 2, complete genome	1	CTGTGGAATGTATCGAGGACTTGCTT
Table 3A	7470	literature	NΔ	101018				AACGAGTCTGGGCAACCTTTGGAC
Table 3A						graduation gallania	1	GCTGGCCTGCACCCGCGCTGAGTTT
1	/4/1	literature	NA	J01919	209811	Adenovirus type 2, complete genome	1	GGGGCGGTTAGGCTGTCCTCCTTCT CGACTGACTCCATGATCTTTTTCTC
14/4 Ricrature	7472	literature	NA	J01920	209811	Adenovirus type 2, complete genome	1	TGTTTGCCTTATTATTATGTGGCTTAT
Tricing	7473	literature	Hs.250596	J01921	209811	, ,	1	ACGGTGATCAATATAAGCTATGTGGT
Main	7474	literature	NA	J01922	209811	Adenovirus type 2, complete genome	1	TTTCTGCCCTGAAGGCTTCCTCCCCT
Add	7475	literature	NA	J01923	209811	Adenovirus type 2, complete genome	1	GGCTTATGCCCATGTATCTGAACATC
1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496 1496	7476	literature	NA	J01924	209811	Adenovirus type 2, complete genome	1	CTACTGCCGTACAGCGAAAGCCGCC
Table 3A	7477	Table 3A	NA	AA077131	1836605	cDNA Library cDNA clone 7B08E10,	-1	CCAACCCGCGAAACGAGGAGATATG CAGATAGTGGTATTTGGGTGCTGGG CTTGTCTGACCTGAGGAGGTGGCTG
Alu repetitive element, mRNA Aloca 7478	Table 3A	NA	AA501725	2236692	ng18e12.s1 NCI_CGAP_Lip2 cDNA	-1	AACTCCATAGAGAAAGACTACGAATT	
Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Comp						Alu repetitive element;, mRNA		TCGCTGGGAGGTAATAGGGAAGCC
Table 3A	7479	Table 3A	NA	AA501934	2236901	nh56a10.s1 NCI_CGAP_Pr8 cDNA	-1	GCATTTAGGAAAGACAGGTGAGTGTG
All repetitive element, contains	7480	Table 3A	NA	AA579400	2357584	nf33d05.s1 NCI_CGAP_Pr1 cDNA	-1	TTACTTTGTCTTCTCTCACCATCCTAA
Table 3A NA AW837808 Table 3A NA AW837808 Table 3A NA AW84289 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW8488 Table 3A NA AW84886 Table 3A NA AW84886 Table 3A NA AW8488 Table 3A NA AW84886 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488 Table 3A NA AW8488	7404	T-11-04		.=		Alu repetitive element; contains		AACGTTGTTTTGCTGAGCATGAA
ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSIDED ABSI	7481		NA	AF249845	8099620		-1	CCCCAGACGAAAATACCAAATGCATG GAGAGCTCCCGTGAGTGGTTAATA
Additional	7482	db mining	Hs.277051	Al630242	4681572		-1	GCCTAAGTTTCCAGAAGACTTTGACG
Table 3A	7483	db mining	Hs.277052	Al630342	4681672	ad08g11.y1 cDNA /clone=ad08g11-	-1	TTTTGCAGTTCAAGGATTGGTGGGAA
Table 3A	7484	db mining	NA	Al732228	5053341	nf19e05.x5 NCI_CGAP_Pr1 cDNA	-1	AATAGATTTCCATTTCTTCCTTCGAGT
Table 3A						Alu repetitive element;, mRNA s		TAGTTGGGTATTGGGACCTTGAA
Table 3A	7485	Table 3A	Hs.197803	AW379049	6883708	mRNA for KIAA0160 gene, partial cds	-1	CGACGGTGTTCTGGAGTTTCGATGAG
Table 3A	7486	Table 3A	Hs.232000	AW380881	6885540	UI-H-BI0p-abh-h-06-0-UI.s1 cDNA, 3'	-1	ATATTCAGCAGTGGCTGTGAAATTGG
Table 3A	7487	Table 3A	Hs.325568	AW384988	6889647	602386081F1 cDNA, 5' end	-1	ACTGGTTTTCATTCTAGTGTCCCCCA
CCTCAGTCACTGAAAGCAGAAACT	7488	Table 3A	NA	AW836389	7930363		-1	CCCGTCTAGTTTCATTTTCCTGTA TTGGGAGTCACCAGGTTAAAGCAAAG
Table 3A NA AW837808 7931782 CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CATCTGCTCCTCCTCCACACACT CATCTGCTCTGCTTCCTCCACACACT CATCTGCTCTGCTTCCTCCACACACT CATCTGCTCTGCTTCCTCCACACACT CATCTGCTTCCTCCACACACT CATCTGCTTCCACACACT CATCTGCTTCCCACACACT CATCTGCTTCCCACACACT CATCTGCTTTCCCACACACT CATCTGCTTTCCCACACACT CATCTGCTTTCCCACACACT CATCTGCTTGCTCACACACT CATCTGCTTGCTCACACACT CATCTGCTTGCTGCTACACACT CATCTGCTTGCTGCTACACACT CATCTGCTGCTGCTACACACACT CATCTGCTGCTGCTACACACT CATCTGCTGCTGCTACACACT CATCTGCTGCTGCTACACACT CATCTGCTTGCTGCTACACACT CATCTGCTGCTGCTACACACT CATCTGCTGCTGCTACACACACT CATCTGCTGCTGCTACACACACTACACACACTACACACAC	7489	Table 3A	NA	AW837717	7931691		-1	CCTCAGTCACTGAAAGCAGAAACT
Table 3A NA AW842489 7936472 PM4-CN0032-05020-002-c11 -1 TGTGGATTTATAGACTGTTTTCGC CATG COCCATCATG COCCATGATA AACACACT CCTCGGCAGCACTGGAGCGTCTG CONA, mRNA sequence CDNA,	7490	Table 3A	NA	AW837808		cDNA, mRNA sequence		TTTGGTGCTTAACTTGAAGTGGGA
Table 3A	7491	Table 3A				cDNA, mRNA sequence		GAAACACCACTGCCCCCATCCATG
CDNA, mRNA sequence						CN0032 cDNA, mRNA sequence	-1	
7493 Table 3A NA AW856490 7952183 PMA-CT0290-271099-001-c04 CT0290 -1 AGCTTAGGATATCTATTAGTGTTCA GTTCAGGGC CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA sequence CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE CDNA, mRNA SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SEQUENCE SE	7492	Table 3A	NA	AW846856	7942373	QV3-CT0195-011099-001-c09 CT0195 cDNA, mRNA sequence	-1	TCATTTCAGGTCTAATAAACACACTAA
7494 Table 3A NA AW891344 8055549 PM2-NT0079-030500-001-a04 NT0079 -1 TGGGAACACACTGGCCCATTATATA AGAAAAATAAAACATGATCCCCAT AGAA, mRNA sequence 7495 Table 3A NA BE061115 8405765 QV0-BT0041-011199-039-f09 BT0041 CDNA, mRNA sequence -1 TTGCTTGATTTCCAAACCACTACCC GAAGGTGGCTTATGGTCTACAGGTT TTCCACACACTTCCAGGTGGGGGC CDNA, mRNA sequence GAAGAAAATAAAACATGATCCCAT TTCCACACACTTCCAGACTTCACAGCT CDNA, mRNA sequence GAAGGTGGCTTATGGTCTACAGGTT TTCCACACACTTCCAGACTTCCAGACTTCCAGACTTACGGTGGGGCC CDNA, mRNA sequence GGTAGAGAAGACAAGCATAAGTACA TTCTTCTCTGCCCCTAACAGAATGTC CDNA, mRNA sequence GGTAGAGAAGACAAGCATAAGTACA TTCTTCTCTGCCCCTAACAGAATGTC CDNA, mRNA sequence CTTCTTTGCTTCCCACACCCCTCC CTAACAGAATGTC CTACAGTTCTGGATTATATACAGTTTCTTTCTTCTCACACACCCTTCC CDNA, mRNA sequence -1 CAGCACATCTTCTGGTTTACAAGTTGTCACAGTTCTGGAGTGC CTACAGTACTACAAGTTCCACTTCTGGATTCTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACTTTTACAGTTCACAGTTACACTTCCACAGTCACTCTGGAGTACTACCAGTCGCC CTACCAGTCGCC CTACCAGTCACCTCCACCTCC CTACCAGTCACCTCTCACAGTCACTCTGGAGTCACTTCGAGTCACTTCACAGTCACTTCACAGTCACTTCACAGTCACTTCCAAGTCACTTCCAAGTCACTTCCACATGCCACTCTCACGTTTACACTTTCACAGTCACTTCCACAGTCACTTCCAAGTCACTTCCACATGCCATTCCAAATGCCATTCCAAATGCCCATACCATTACATTCCAAATGCCATTCCAAATGCCATTCCAAATGCCATTCCAAATGCCATTCCAAATGCCATTCCAAATGCACTTCCAATGCCATTCCAAATGCACTTCCAATGCCATTCCAAATGCCATTCCAAATGCCATTCCAAATGCACTTCCAATGCCATTCCAAATGCACTTCCAATGCCATTCCAAATGCACTTTCCAAATGCACTTCCAATGCACTTCCAATGCCATTCCAAATGCACTTTCCAAATGCACTTTCCAAATGCACTTCCAAATGCACTTCCAATGCACTTCCAAATGCACTTCCAATGCACTTCCAATGCACTTCCAATGCACTTCCAATGCACTTCCAATGCAC	7493	Table 3A	NA	AW856490	7952183	PM4-CT0290-271099-001-c04 CT0290	-1	AGCTTAGGATATCTATTAGTGTTCACT
7495 Table 3A NA BE061115 8405765 QV0-BT0041-011199-039-f09 BT0041 -1 TTGCTTGATTTCCCAAACCACTACCC GAAGCTACCC GAAGCTACCC GAAGCTACCC GAAGCTACCCCCDNA, mRNA sequence 7496 Table 3A NA BE086076 8476469 PM2-BT0672-130400-006-h09 BT0672 CDNA, mRNA sequence -1 TTCCACCACTTCAAGACTGGGGGC GAAGGACAAGCAAGCATAAGTAC. TTCTTCTGCCCCTAACAAGTAGTAC. TTCTTCTGCCCCTAACAGAATGC. TTCTTCTGCTCCCACACCCTCC CDNA, mRNA sequence CTTCTCTTGCTTCCCACACCCTCC CTTCTCCCACACCCTCC CDNA, mRNA sequence CTTCTCTTGCTTCCCACACCCTCC CTTCTCCACACCCTCC CTTCTCTGGTTTACAAGTT GGTAACTATGAAAGCTGGAGATGC CTTCTGGTTTACAAGTT GGTACCACCTTCGCACCCTCC CDNA, mRNA sequence -1 CAGCACATCTTCTGGTTTACAAGTT GGTACCACCTTCCACACCTTCCACACCTTCC CTDNA, mRNA sequence -1 TATCTAAATTCTACCTTTAGCATCCACCTTCACAGTCCACCTTCACAGTCCACCTTCACAGTCCACCTTCACAGTCCACCTTCACAGTCACTCAC	7494	Table 3A	NA	AW891344	8055549	PM2-NT0079-030500-001-a04 NT0079	-1	TGGGAACACACTGGCCCATTATATAG
7496 Table 3A NA BE086076 8476469 PM2-BT0672-130400-006-h09 BT0672 cDNA, mRNA sequence -1 TTCCACCACTTCAAGACTGGGGGC GGTAGAGAAGCAAAGCA	7495	Table 3A	NA	BE061115	8405765	QV0-BT0041-011199-039-f09 BT0041	-1	TTGCTTGATTTCCCAAACCACTACCT
7497 Table 3A NA BE091932 8482384 IL2-BT0733-130400-068-C11 BT0733 -1 TTCTTCTCTGCCCCTAACAGAATGT CDNA, mRNA sequence 7498 Table 3A Hs.173334 BE160822 8623543 ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922) -1 CAGCACATCTTCTGGTTTACAAGTT GGTACCACCCTCC CAGCCCTCC GTCC CAGCCCTCC CAGCCCTCC CAGCCCTCC CAGCCCTCC CAGCCCTCC CAGCCCTCC CAGCCCTCC CAGCCCTCC CAGCCCTCCC CAGCCCTCCCCCCCTAGAAGCCCCCCCCCC	7496	Table 3A	NA	BE086076	8476469	PM2-BT0672-130400-006-h09 BT0672	-1	GAAGGTGGCTTATGGTCTACAGCT TTCCACCACTTCAAGACTGGGGGCA
7498 Table 3A Hs.173334 BE160822 8623543 ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922) -1 CAGCACATCTTCTGGTTTACAAGTT GGTACACTGGCACTGGAGATGC mRNA /cds=(0,1922) 7499 Table 3A NA BE163106 8625827 QV3-HT0457-060400-146-h10 HT0457 cDNA, mRNA sequence -1 TATCTAAATTCTACCTTTAGCATCC/CCDNA, mRNA sequence 7500 Table 3A Hs.301497 BE168334 8631159 arginine-tRNA-protein transferase 1-1p (ATE1) mRNA, alternatively spliced product, partial cds /cds=(0,1544) -1 ACCTCACTGCACTCTGAGTC TTGCTGCACTGGCC TTGCTGCACTGGCC TTGCTGCACTGGCC TTGCTGCACTGGCC TTGCTGCACTGGCC TTGCTGCACTGGCC TTGCTGCACTGGCC TTGCTGCACTGGCC TTGCTGCACTGGCC TTGCTGCTGTGATT CCAAGTCCACTTCGAGTC TTGCTGTGTGCACTGCC TTGCTGTGTGCACTGCCACTGGCC TTGCTGCACTGCCC TTGCTGCTGTGATT TTGCTGTGTGACACTACCAATGGCC TTGCTGTGTGCACTGCCACTGCCC TTGCTGCTGTGATT TTGCTGTGGAACTACTGCCACTGGCC TTGCTGGCC TTGCCACTGCCC TTGCTGCC TTGCTGCC TTGCTGCC TTGCCC TTGCCCACTGCCC TTGCTGCC TTGCCC TTGCCC TTGCCC TTGCCC TTGCCC TTGCCC TTGCCCC TTGCCC	7497	Table 3A	NA	BE091932	8482384	IL2-BT0733-130400-068-C11 BT0733	-1	GGTAGAGAAGACAAGCATAAGTACA TTCTTCTCTGCCCCTAACAGAATGTT
Table 3A	7498	Table 3A	Hs.173334	BE160822	8623543	ELL-RELATED RNA POLYMERASE II,	-1	CTTCTCTTGCTTCCCACACCCTCC CAGCACATCTTCTGGTTTACAAGTTG
Table 3A						ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)		GGTAACTATGAAAGCTGGAGATGC
Table 3A	7499	Table 3A	NA	BE163106	8625827	QV3-HT0457-060400-146-h10 HT0457	-1	TATCTAAATTCTACCTTTAGCATCCAA
Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product, partial cds /cds=(0,1544) Product,	7500	Table 3A	Hs.301497	BE168334	8631159	arginine-tRNA-protein transferase 1-1p	-1	TCCAATGCTCAAGTCACTCTGAGTCT
7502 Table 3A NA BE177661 8656813 RC1-HT0598-020300-011-h02 HT0598 -1 AGATGGCCATATCCAAATGGGCT TAGGTA AGACCATTAGGTA AGACCATTAGGTAT AGGTAT AGATAGTAGCAATTGGGTATT CDNA, mRNA sequence TACTGGGAGTTACTGCTGTGATT TACTGGGAGTTACTGCTGTGATT TACTGGGAGTTACTGCTGTGATT TCTGTGTGAACATACATACAGGACT TACTGGAGTTACTGCTGTGATT TACTGGGAGTTACTGCTGTGATT TCTGTGTGAACATACATACAGGACT	7501	Table 3A	Hs.172780	BE176373	8639102	product, partial cds /cds=(0.1544)	_1	
7503 Table 3A NA BE178880 8658032 PM1-HT0609-060300-001-g03 HT0609 -1 TCTGTGTGACACTACCAGGACTT TCTGTGTGACACTACTCCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTGACGACTTCTTTGACGACTTCTTGACGACTTCTTTGACGACTTCTTTGACGACTTCTTTGACGACTTCTTTGACGACTTCTTTGACGACTTCTTTGACGACTTCTTTGACGACTTTTGACGACTTTTGACGACTTTTGACGACTTTTGACGACTTTTGACGACTTTTTGACGACTTTTTGACGACTTTTTTTGACGACTTTTTTTT						/clone=IMAGE:4453466 /clone_end=5'		AGATGGGCCATATCCAAATGGGCT
7903 Table 3A NA BE178880 8658032 PM1-HT0609-060300-001-g03 HT0609 -1 TCTGTGTGAACATACATACAGGACT						cDNA, mRNA sequence	-1	
TOATTCTACCTGTGCCTGACCATT	7503	rable 3A	NA	BE178880	8658032	PM1-HT0609-060300-001-g03 HT0609 cDNA, mRNA sequence	-1	TCTGTGTGAACATACATACAGGACTT TGATTCTACCTGTGCCTGACCATT

7504	Table 3A	Hs 86543	BE247056	9098807		-1	GTGGAGCTGTTGGCCTTGCTGGATG
7505	Table 3A	Hs 11050	BE763412	10193336	/clone=IMAGE:4609330 /clone_end=5' mRNA; cDNA DKFZp434C0118 (from clone DKFZp434C0118), partial cds	-1	CGGGCACTCTCTACACCTTCAGGTA TGTCAGTGGCTCTCACTTTGTTTGAA
7506	Table 3A	NA	BF330908	11301656	/cds=(0,1644) RC3-BT0333-310800-115-f11 BT0333	-1	ATTGTTGCTTTGGGAAAAACACAG GATGCAGTGGGTTAGGGGG
7507	Table 3A	NA	BF357523	11316597	cDNA, mRNA sequence CM2-HT0945-150900-379-g06 HT0945	-1	TACAGACTGACTTGAGCTCGGAGTC TCAGGCACTCAGTAAAGGCAAGACTT
7508	Table 3A	NA	BF364413	11326438	cDNA, mRNA sequence RC6-NN1068-070600-011-B01	-1	GAGTGATACATAAAGTCAGTTACA CCTTGGGCTGAGTTTGCTGGTCCTGA
7509	Table 3A	NA	BF373638	11335663	3	-1	AGATTACAGTTTTGGTTAGAGAGA ACAGCAAACAAAGTGTTCCAATCCTC
7510	Table 3A	NA	BF740663	12067339		-1	TATTAACCCATTTAACCAAGAGTT AGTGCATTCACACTGATGATAAACGA
7511	Table 3A	NA	BF749089	12075765	cDNA, mRNA sequence MR2-BN0386-051000-014-b04	-1	TAGTAGCTTCACAGGTTTGCTTCT AAGTGTGATTAGAAGCAGCTGGAAGT
7512	Table 3A	NA	BF758480	12106380	BN0386 cDNA, mRNA sequence MR4-CT0539-141100-003-d05 CT0539	-1	AGCAGAGGAGGTGGAAGTTAGTCC CAGGAGTAAAACAGAGCTGGTTGTGT
7513	Table 3A	NA	BF773126	12121026	cDNA, mRNA sequence CM3-IT0048-151200-568-f08 IT0048 cDNA, mRNA sequence	-1	GATACCTATGCTGGGTGGAAGACT GGTGACTATCTTACCGGCTCCCAGTA
7514	Table 3A	NA	BF773393	12121293	CM2-IT0039-191200-638-h02 IT0039 cDNA, mRNA sequence	-1	AACTCTGAACAATGTACCAGCTAA GCTTGAAGATGTCTCAACAGAAAATC ACCGACATGAGGAAGCATCACGCT
7515	Table 3A	NA	BF805164	12134153	QV1-CI0173-061100-456-f03 CI0173 cDNA, mRNA sequence	-1	TCTAGGGCAGGAACATGGCTGCAGC ATATAAAAAGAATTGAATT
7516	Table 3A	NA	BF818594	12156027		-1	TTGT GGTGCTGCCATAGGTGCCAGTAATG
7517	Table 3A	NA	BF827734	12171909	cDNA, mRNA sequence RC6-HN0025-041200-022-F08	-1	ACCGTTTATGCGGAAATCAATTACA TGAAGTACTATAGGACTCAATGGGAC
7518	Table 3A	NA	BF845167	12201450	HN0025 cDNA, mRNA sequence RC5-HT1035-271200-012-F08 HT1035	-1	CAGTAGCAGCTCCAAGTGGATCAC ACACGGGACCTCCTTTGATCTTTCTG
7519	Table 3A	NA	BF869167	12259297	cDNA, mRNA sequence IL5-ET0119-181000-181-b11 ET0119	-1	AGAATTAATAGAGATTTCATGGCA CCAAAAGGAGAAAGATGACTAGGGT
7520	Table 3A	NA	BF875575	12265705	cDNA, mRNA sequence QV3-ET0100-111100-391-c02 ET0100 cDNA, mRNA sequence	-1	CACACTTGAGGATTTGCCAGGTGGG GCATCTTCTTTGAAGACGGGAACTGT
7521	Table 3A	NA	BF877979	12268109		-1	ACTTCAGGTTCTTTTCTGTTTAGC GGCTCATTTGGTTTTAAAGTCTCTTCT
7522	Table 3A	NA	BF897042	12288501		-1	ATGCCATCCCAGGGGAGGAGGAT GACTGTGGACACCTCTCACTGTGTCT TCTTGGCAGGCAGAGCTTACTGAC
7523	Table 3A	NA	BF898285	12289744	QV1-MT0229-281100-508-e11 MT0229 cDNA, mRNA sequence	-1	GCAGGGTGCAGAGCTTACTGAC GCAGGGTGCAGAGCTTCACAGCAGG TAGGAAGAAGTAACTAAGTGGAAAC
7524	Table 3A	NA	BF899464	12290923	IL5-MT0211-011200-317-f03 MT0211 cDNA, mRNA sequence	-1	CAGCTAAAGCCGTAGGTCATTGTGAC TGTCCCTGGGATGTGGATTACTCT
7525	Table 3A	Hs.324473	BF904425	12295884	40 kDa protein kınase related to rat ERK2 /cds=(134,1180)	-1	CCAGAATGCAGCCTACAGACCAAATA TCAATGGACTTGGTGTAGCCCTGC
7526	Table 3A	NA	BF906114	12297573	IL3-MT0267-281200-425-A05 MT0267 cDNA, mRNA sequence	-1	TTTAAACCAGGTCTGGAAAAAGGAAG GAGAGGAGGGCATTTTAGAGAAGA
7527	Table 3A	Hs.104679	BF926187	12323197	Homo sapiens, clone MGC:18216 IMAGE:4156235, mRNA, complete cds /cds=(2206,2373)	-1	GTGGCTTCGTAAAATAGAAGAGCAGT CACTGTGGAACTACCAAATGGCGA
7528	Table 3A	Hs.75703	BF928644	12326772	small inducible cytokine A4 (homologous to mouse Mip-1b)	-1	CACACCACAGCTGGCTGGGAGCAGA GGCTGCTGGTCTCATAGTAATCTAC
7529	Table 3A	NA	BG006820	12450386	(SCYA4), mRNA /cds=(108,386) RC4-GN0227-271100-011-d03 GN0227 cDNA, mRNA sequence	-1	TGGAGAAAATGAGAGACAGACAGTG AGTGAGAAAGTCAGCGAAAAGGAAA
7530	Table 3A	NA	F11941	706260	HSC33F051 normalized infant brain	-1	ACCTACTGTTGAGATTATTCCCCTGT
7531	Table 3A	NA	U46388	1236904	cDNA cDNA clone c-33f05, mRNA HSU46388 Human pancreatic cancer cell line Patu 8988t cDNA clone xs425,	-1	CTCCACACTGCCAGAAACTTACCA CCAAATGATACTAGGATTAAGCCCCA AAGCAAAGTCAAGCACCACCATGG
7532	Table 3A	NA	U75805	1938265	mRNA sequence HSU75805 Human cDNA clone f46,	-1	TCCCAGAGCAACAACTAAGTCTCAAC
7533	Table 3A	NA	W27656	1307658	mRNA sequence 36f10 Human retina cDNA randomly	-1	TAATGGACAACCAACACCCACTGA CCACAGAATGGGCATGTAGTATTGAG
7534	literature .	Hs 99962	BC005929	13543541	primed sublibrary cDNA, mRNA proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein) (PRG2), mRNA	1	ATTTGAATCATCTGCTGTCCAGCC TACTGGCGTCGAGCCCACTGCCTCA GAAGACTTCCTTTCATCTGTTCCTA
7535	literature	Hs 46295	X14346	31182	/cds=(857,1525) eosinophil peroxidase (EPX), mRNA	1	GTTTCAAGGGACATCTTCAGAGCCAA
7536	literature	Hs 1256	J05225	179076	/cds=(0,2147) arylsulfatase B (ARSB), mRNA /cds=(559,2160)	1	CATCTACCCTCGGGGCTTTGTGAA CTACAGTTCTACCATAAACACTCAGT CCCCGTGTACTTCCCTGCACAGGA

Table 8

	7537	literature	Hs 728	M28129	556208	eosinophil-derived neurotoxin)	1	TAGTTGCATGTGACAACAGAGATCAA CGACGAGACCCTCCACAGTATCCG
	7538	literature	Hs 889	NM_001828	6325464	, , , , , , , , , , , , , , , , , , , ,	1	TTGACCATAGAATCAAGCCTGAGGCT
	7539	literature	Hs 135626	M69136	180539	mRNA /cds=(33,461) chymase 1, mast cell (CMA1), mRNA /cds=(0,743)	1	GTGAAGATGGTGCAAGTGTGGAGA CTGCTGTCTTCACCCGAATCTCCCAT TACCGGCCCTGGATCAACCAGATC
•	7540	literature	Hs 334455	NM_003293	13699841	tryptase, alpha (TPS1), mRNA /cds=(17,844)	1	GTCACTGGAGGACCAACCCTGCTG TCCAAAACACCACTGCTTCCTACCC
	7541	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	CATGCCATGCATATTTCAACTGGGCT GTCTATTTTTGACACCAGCTTATT
	7542	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	GAGAAGCACCTCAACCTGGAGACAAT TCTACTGTTCAAACAGCAGCAGCA
	7543	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	ACTTGTCAGGGCCATTCTCTCTCGG GCACTGGGTCACTAGGACTGTTTT
	7544	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	GACAGCGTCCTAGAAACCCTGGCGA CCATTGCCTCCAGCGGGATAGAGTG
	7545	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	CATCCTCTGGAGCCTGACCTGTGATC GTCGCATCATAGACCGCCAGTAGA
	7546	literature	NA	NC_001345	9625578	•	1	GCCTCCACACGACATCACACCATATA CCGCAAGGAATATCAGGGATGCTG
	7547	literature	Hs.279852	BC004555	13528716	•	1	ACAGCCATCCTCCCCTTGAGAGTCAT CAGAAAAATACATTAGGAAAATGT
	7548	literature	NA	NC_001345	9625578		1	ACCTTCGTCTTCTGAGTCTCATGCCT CAAAACCTAGTTTGATAGACAGGA
	7549	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	AGATGGCTACCCTTCTGATTATGATC CTTTCGTAGAAAATGCTCAAATCT
	7550	literature	NA	NC_001345	9625578	•	1	ATGCATCGCCGACAAGTCTTGAATTA GGATTGTCGAAATTAGACAAAGAA
	7551	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	CGGGTGTTCAATCATCGACGGTGA CAATCCTATCTCCATCTATAATCC
	7552	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	GAAGAGCGAAATGCAATCTTCTGCTT CTTCAGTAGAGACTTTACAGTCTT
	7553	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	GCACATCCATCGCCCAAAGTGAAGTC TGCAAGGATGCCATTTATTGGTTG
	7554	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	TCTCGGTTTACCTTTTTGCTGTTGTG GTTCTTTGTTCTTGCTGGTTTGCT
	7555	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	TCTGAATACTCTACAAAACGCTCCTT GTCTGCTCTTAAAACCATCTGTGT
	7556	literature	NA	NC_001345	9625578	Human herpesvirus 6, complete genome	1	TGAAGCTGACACCTGTGAAACTAACT TAAACGCATGTTCTTCTGACTCAG
	7557	literature	NA	NC_001345	9625578	Human herpesvirus 6, complete genome	1	TTCTGTTTTGGGCCAGGAACCGTTCT ATAAATTGTTTTATTGACTACACG
	7558	literature	NA	NC_001345	9625578	Human herpesvirus 6, complete genome	1	TAACACCGTCCAAGAAATTTTGCCGT TGTGTCCCCATACTTCTCTAGGGC
	7559	literature	NA	NC_001345	9625578	Human herpesvirus 6, complete genome	1	AGAAGAAGGATCAGATGGAGAGTTG AAAACTTTAGCTGGTAAGTACATGA
	7560	literature	NA	NC_001345	9625578	Human herpesvirus 6, complete genome	1	CCGATACCGGCAAGATCTGTCGTCTG GCAAACTCGTTTTCCACCTTATGG
	7561	literature	NA	NC_001664	9628290	Human herpesvirus 6, complete genome	1	CTGTGGGTCCCTCCCCCTCATCTGTT ATTCCCTTCCCCTCTGCCACCGAT
	7562	db mining	Hs 159568	Al382620	4195401	qz04e10.x1 cDNA, 3' end /clone=IMAGE:2020554 /clone_end=3'	1	ACTACATTITAATTAAAGATTAATGGG CATATTAGAAGTTTCTCAAAGTTAGG CT
	7563	db mining	Hs.129055	NM_002540	4505490	fiber of sperm tails 2, clone MGC:9034 IMAGE:3874501, mRNA, complete cds	1	AAAAGGAGTGAGCTATCATCAGTGCT GTGAAATAAAAGTCTGGTGTGCCA
	7564	db mining	Hs.12329	AB014597	3327207	/cds=(656,2947) mRNA for KIAA0697 protein, partial cds /cds=(0,2906)	1	AAAGCCACCACTGTTCCCAGTCAGCA
	7565	db mining	Hs.119177	NM_001659	4502202	ADP-ribosylation factor 3 (ARF3), mRNA /cds=(311,856)	1	TATACAAGCTCTTAATATTCTGTT AAATGTGGGATAACGCGATGACTGTG ACCCTGGTTGGAAATTAAACTTGT
	7566	db mining	Hs.12379	BC003376	13097227	Homo sapiens, ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R), clone MGC.5084 IMAGE:2901220, mRNA, complete cds	1	AACACAGAAACATTTGAGCATTGTAT TTCTCGCATCCCTTCTCGTGAGCG
	7567	db mining	Hs 319886	AL589290	13243062	/cds=(142,1122) DKFZp451F1715_r1 cDNA, 5' end	1	AACCTATCAAAGCCTAGCCTAAGGGC
	7568		Hs.315597	NM_015960		/clone=DKFZp451F1715 /clone_end=5' cDNA FLJ10280 fis, clone	1	TGCCATCTCTGTCTAAATTCTAGT AACTGCATGGTATGAATTCAGAGTGT
		ŭ				HEMBB1001288, highly similar to CGI- 32 protein mRNA /cds=UNKNOWN	•	GACTTAAGGGTCAATTCAAAGCAG
	7569	db mining	Hs 110457	AF071594	3249714	MMSET type I (WHSC1) mRNA, complete cds /cds=(29,1972)	1	ACAGACTTTGTTAATGTAGGAAATCT CTCCAAGTGGAAACGTGCTAACTT
	7570	db mining	Hs 144904	NM_006311	5454137	nuclear receptor co-repressor 1 (NCOR1), mRNA /cds=(240,7562)	1	ACAGGCAATTCAGTGGACTATAATAA TAGTGGAGGGTTGAGATGTAGAGT

7571	db mining	Hs 118064	NM_022731	12232386	similar to rat nuclear ubiquitous casein	1	ACAGGTCACAGTGGATTTCTTTTCAA ACTGACAATGTTTAGGTTTTAAGC
7572	db mining	Hs 337616	NM_000753	4502924	kinase 2 (NUCKS), mRNA phosphodiesterase 3B, cGMP-inhibited (PDE3B), mRNA /cds=(0,3338)	1	ACCTCAAGCAGATGAGATTCAGGTAA TTGAAGAGGCAGATGAAGAGGGAAT
7573	db mining	Hs 152049	AW962287	8152099	EST374360 cDNA	1	ACCTTCTACACCACTGGAAAATAACA TGGAGGTTTAGAGCCGTGCAAAAT
7574	db mining	Hs 115325	NM_003929	4506374	RAB7, member RAS oncogene family- like 1 (RAB7L1), mRNA /cds=(40,651)	1	ACTAAACTCTGAGGCCTGAAGTTCTG TGATAGACCTTAAATAAGTGTCCT
7575	db mining	Hs 119178	AK024466	10440445	mRNA for FLJ00059 protein, partial cds /cds=(2624,4057)	1	ACTGGGGTGGTGATGTTTTCGTTCTG
7576	db mining	Hs 183698	NM_000269	4557796	ribosomal protein L29 (RPL29), mRNA /cds=(29,508)	1	ACTTCATCATAATTTGGAGGGAAGCT CTTGGAGCTGTGAGTTCTCCCTGT
7577	db mining	Hs 15767	AB023166	4589541	mRNA for KIAA0949 protein, partial cds /cds=(0,2822)	1	AGAACGAGGAAGAGAACACAAGGAA TGATTCAAGATCCACCTTGAGAGGA
7578	db mining	Hs.108104	NM_003347	4507788	ubiquitin-conjugating enzyme E2L 3 (UBE2L3), mRNA /cds=(15,479)	1	AGAGAATAGGCTTTCTAAGATGCTGC GATCCCGTTCTGCTGCCCGTAATA
7579	db mining	Hs.163593	NM_000980	11415025	ribosomal protein L18a (RPL18A), mRNA /cds=(19,549)	1	AGCACAAGCCACGCTTCACCACCAA GAGGCCCAACACCTTCTTCTAGGTG
7580	db mining	Hs.121044	L39061	632997		1	AGGCCAATCACTGCTGACTAAGAATT CATTATATTGGCTTAGTACACAGA
7581	db mining	Hs.309348	NM_032472	14277125	tc93c11.x1 cDNA, 3' end /clone=IMAGE:2073716 /clone_end=3'	1	AGGGAAGATTTCTGTATACTTGCTGG AGAGGAGGAATGTGTATAGTTACT
7582	db mining	Hs.16493	AK027866	14042851	cDNA FLJ14960 fis, clone PLACE4000192, weakly similar to ZINC FINGER PROTEIN 142	1	AGTTTTAATACCTTAAGCTTTTTCAAG ACCTAACTGCAGCCGCTTTGGGA
7583	db mining	Hs.1342	NM_001862	4502982	cytochrome c oxidase subunit Vb (COX5B), nuclear gene encoding mitochondrial protein, mRNA	1	ATGTGCTGTAAAGTTTCTTCCAG TAAAGACTAGCCATTGCATTG
7584	db mining	Hs.111076	NM_005918	5174540	malate dehydrogenase 2, NAD (mitochondrial) (MDH2), nuclear gene encoding mitochondrial protein, mRNA	1	ATTGTGGGTGGCTCTGTGGGCGCAT CAATAAAAGCCGTCCTTGATTTTAT
7585	db mining	Hs.107476	NM_006476	5453560	/cds=(86,1102) ATP synthase, H+ transporting, mitochondrial F1F0, subunit g (ATP5JG), mRNA /cds=(73,384)	1	ATTTGAGTGTTGTTGGACCATGTGTG ATCAGACTGCTATCTGAATAAAAT
7586	db mining	Hs.146354	NM_005809	5902725	peroxiredoxin 2 (PRDX2), mRNA /cds=(89,685)	1	CAAGCCCACCCAGCCGCACACAGGC CTAGAGGTAACCAATAAAGTATTAG
7587	db mining	Hs.12124	NM_018127	11875212	elaC (E. coli) homolog 2 (ELAC2), mRNA /cds=(0,2480)	1	CACCAGAGACAAGCAGAGTAACAGG ATCAGTGGGTCTAAGTGTCCGAGAC
7588	db mining	Hs.154023	AB011145	3043669	mRNA for KIAA0573 protein, partial cds /cds=(0,1356)	1	CAGGAGGTAGGGATCTGGCTGAGAG GGAATAATCTGAGCAAAGGTATGAA
7589	db mining	Hs 109051	NM_031286	13775197	SH3BGRL3-like protein (SH3BGRL3), mRNA /cds=(71,352)	1	CAGTCCCTCTCCCAGGAGGACCCTA GAGGCAATTAAATGATGTCCTGTTC
7590	db mining	Hs.125307	AA836204	2910523	• • •	1	CATGAGAAGTATCTGCAATAACCCCA AGTCAACATTTAGGTTTGTGTACA
7591	db mining	Hs.16803	NM_018032	8922296	LUC7 (S. cerevisiae)-like (LUC7L), mRNA /cds=(71,1048)	1	CATGTTGAGTAGGAATAAATAAATCT GATGCTGCCTCCTGAGGCTGCGGG
7592	db mining	Hs.146580	NM_001975	5803010	• • •	1	CCACCACCTCTGTGGCATTGAAATGA GCACCTCCATTAAAGTCTGAATCA
7593	db mining	Hs.14169	AK027567	14042333	cDNA FLJ14661 fis, clone NT2RP2002710, weakly similar to SH3- BINDING PROTEIN 3BP-1	1	CCATGCCGCCTCGTTGGATTGTCGG AATGTAGACAGAAATGTACTGTTCT
7594	db mining	Hs.118625	NM_000188	4504390	hexokinase 1 (HK1), nuclear gene encoding mitochondrial protein, mRNA /cds=(81,2834)	1	CCCACCGCTTTGTGAGCCGTGTCGTA TGACCTAGTAAACTTTGTACCAAT
7595	db mining	Hs.144505	NM_015653	13124762	DKFZP566F0546 protein (DKFZP566F0546), mRNA	1	CCCACGGGAGACTATTTCACACAATT TAATACAGGAAGTCGATAATGAGG
7596	db mining	Hs.155751	NM_004889	4757811	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2 (ATP5J2), mRNA	1	CCCTCCGTGAGGAACACAATCTCAAT CGTTGCTGAATCCTTTCATATCCT
7597	db mining	Hs.10267	NM_015367	7662505	MIL1 protein (MIL1), nuclear gene encoding mitochondrial protein, mRNA /cds=(71,1231)	1	CCGTGTCTTTCCAGCCCTAAAGGAAG GGCAGACCCGTGTCTTTCCATGCC
7598	db mining	Hs 14632	BC008013	14124973	Homo sapiens, Similar to CG12113 gene product, clone IMAGE:3532726, mRNA, partial cds /cds=(0,2372)	1	CCTGAAGCACTTCACCTGGAATTGAT GTGTAGGCTTAAGGAGTATGTGAC
7599	db mining	Hs.125156	NM_001488	4503956	transcriptional adaptor 2 (ADA2, yeast, homolog)-like (TADA2L), mRNA /cds=(0,1091)	1	CGCAGGCAAGAGCACTCATCAAGATA GATGTGAACAAAACCCGGAAAATC
7600	db mining	Hs 159545	NM_013308	7019400		1	CGCTCAAAGGTCACTGAGACTTTTGC CTCACCTAAAGAGACCAAGGCTCA
7601	db mining	Hs.152936	NM_004068	4757993	• •	1	CGGCCTCAGTCCCTACTCTGCTTTGG GATAGTGTGAGCTTCATTTTGTAC

7602	db mining	Hs 110857	NM_016310		polymerase (RNA) III (DNA directed) polypeptide K (12.3 kDa) (POLR3K),	1	CTAGTGTGTGCTTGCCTTGTCCCTCG GGGTAGATGCTTAGCTGGCAGTAT
7603	db mining	Hs 118666	NM_025207	13376805	mRNA /cds=(39,365) hypothetical protein PP591 (PP591), mRNA /cds=(820,1704)	1	CTTTCAGATTCCCTCTGGTCTCCGTC CGAAACGTCTACCTCTTCCCAGGC
7604	db mining	Hs 16390	AK024453	10440419	mRNA for FLJ00045 protein, partial cds /cds=(106,924)	1	GAAATTCACAGGCCAGGGCACATCTT TTATTTATTTCATTATGTTGGCCA
7605	db mining	Hs 109302	AA808018	2877424	nv64d09 s1 cDNA, 3' end /clone=IMAGE:1234577 /clone_end=3'	1	GACTCCCTCAACACCCCAAAACTCTA AATGCCACGGTCATCTGTTTCTAT
7606	db mining	Hs 111126	NM_004339	11038670	pituitary tumor-transforming 1 interacting protein (PTTG1IP), mRNA	1	GAGCAGCCACAAAACTGTAACCTCAA GGAAACCATAAAGCTTGGAGTGCC
7607	db mining	Hs 127376	NM_021645	11063982	KIAA0266 gene product (KIAA0266), mRNA /cds=(733,3033)	1	GCAGCAAACAGAGGGTCAGTCACAG GATGTTCTGACACACCATTGTAACT
7608	db mining	Hs.108196	NM_016095	7706366	HSPC037 protein (LOC51659), mRNA /cds=(78,635)	1	GCCAACAATGCTGACCGGTGCTTATC CTCTAAGCCCTGATCCACAATAAA
7609	db mining	Hs 117487	AF040965		unknown protein IT12 mRNA, partial cds /cds=(0,2622)	1	GCCAGTGTAATTTCTGTCAACCACGG ACGTTTGCCTTCATGTGTAGAATT
7610	db mining	Hs.107882	NM_018171	8922576	hypothetical protein FLJ10659 (FLJ10659), mRNA /cds=(38,1000)	1	GCCCAAGCACTAGTAGAGATGCGCG ATACAGGTCTAGTTTCGGTAACTGT
7611	db mining	Hs.147585	NM_024785	13376147	hypothetical protein FLJ22746 (FLJ22746), mRNA /cds=(266,1072)	1	GGCCAGATTTTGACTCCCAGATTCCT TTACAAAACGCACTCATTCATTCA
7612	db mining	Hs.153357	NM_001084	4505890	procollagen-lysine, 2-oxoglutarate 5- dioxygenase 3 (PLOD3), mRNA	1	GGGACTCCCCGCGTGATAAATTATTA ATGTTCCGCAGTCTCACTCTGAAT
7613	db mining	Hs 148495	NM_002810	5292160	/cds=(216,2432) proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 (PSMD4),	1	GGGACTGCATGGGAAGCACGGAATA TAGGGTTAGATGTGTGTTATCTGTA
7614	db mining	Hs.13144	NM_014182	7661819	mRNA /cds=(62,1195) HSPC160 protein (HSPC160), mRNA /cds=(53,514)	1	GGGGTTCGTGTCTTTGGCATCAACAA ATACTGAGGGATGGGTTTTGGGAC
7615	db mining	Hs.1189	NM_001949	12669913	E2F transcription factor 3 (E2F3) mRNA, complete cds /cds=(66,1463)	1	GGGTGACCTGTTCTCTAGCTGTGATC TTACCACTTCAAATGGGTGTAATT
7616	db mining	Hs 12284	BC001699	12804564	Homo sapiens, clone IMAGE.2989556, mRNA, partial cds /cds=(0,370)	1	GGTGTGAACGGGCTGACTTGGTGAA TTGGGCAACTCCTTATAGTGTTGTG
7617	db mining	Hs.158380	Al381581	4194362	td05e04.x1 cDNA, 3' end /clone=IMAGE:2074782 /clone_end=3'	1	GTACCACTTGAATGATTTCAGTCAATT TTGAACCCCTTTGGAAAGAGGTG
7618	db mining	Hs.1390	BC000268	12653014	Homo sapiens, proteasome (prosome, macropain) subunit, beta type, 2, clone MGC:1664 IMAGE:3352313, mRNA, complete cds /cds=(58,663)	1	GTGAAACCCCGTCTCTGCTAAAAATA CAAAAATTAGCTGGGCGTGGTGGC
7619	db mining	Hs.115808	NM_002287	11231175	leukocyte-associated lg-like receptor 1 (LAIR1), transcript variant a, mRNA /cds=(57,920)	1	GTTCTCTGGGTTGTGCTTTACTCCAC GCATCAATAAATAATTTTGAAGGC
7620	db mining	Hs.119960	AL117477	5911950		1	TACTGCCAACTGACCTTATAACCCTC TGCACCTTCAAAAAGATTCATGGT
7621	db mining	Hs.154073	NM_005827	5032212	UDP-galactose transporter related (UGTREL1), mRNA /cds=(87,1055)	1	TCAAACAGTGACATCTCTTGGGAAAA TGGACTTAATAGGAATATGGGACT
7622	db mining	Hs.11747	NM_017798	8923363		1	TCACTTCCTCTGAACTGTTACTGCCT GAATGGAGTCCTGGACGACATTGG
7623	db mining	Hs.10881	AB011113	3043605		1	TCCACTTAATAGACTCTATGTGTGCT GAATGTTCCTGTGTACATATGTGT
7624	db mining	Hs.153850	AK024476	10440465	mRNA for FLJ00069 protein, partial cds /cds=(2657,4396)	1	TCCCGCAGAGTGCAGAGACAGGAAG CTGGAGATGTCTTTATAAAGTCACA
7625	db mining	Hs.247870	AL035694	4678462	chromosome 6q14.1-15. Contains the gene for novel T-box (Brachyury) family protein. Contains ESTs, STSs, GSSs	1	TCTAGGACCCTAGGAAGCTTAACTCT GTCATCATCTCAAGTATCTGCACA
7626	db mining	Hs.324648	NM_003128	4507194	and two putative CpG islands cDNA FLJ13700 fis, clone PLACE2000216, highly similar to SPECTRIN BETA CHAIN, BRAIN /cds=UNKNOWN	1	TCTTCCGCCATCTCCTCTGATAAACA CGAGGTGTCTGCCAGCACCCAGAG
7627	db mining	Hs.118722	NM_004480	4758407	fucosyltransferase 8 (alpha (1,6) fucosyltransferase) (FUT8), mRNA	1	TGATATGTTGATCAGCCTTATGTGGA AGAACTGTGATAAAAAGAGGAGCT
7628	db mining	NA	AL134726	6602913	/cds=(716,2443) DKFZp547A1290_r1 cDNA, 5' end /clone=DKFZp547A1290 /clone_end=5'	1	TGCAGTATTTTTCAAACTTCTGGTCG CAAACCCATTAGTAGTTTGTGAAA
7629	db mining	Hs.166887	NM_003915	4503012	copine I (CPNE1), mRNA /cds=(156,1769)	1	TGCTGCTCTTGATCCCACCTTTGCTC CTGACAACCCTCATTCAATAAAGA
7630	db mining	Hs.146324	AK023182	10434993	CDNA FLJ13120 fis, clone NT2RP3002682, highly similar to CGI- 145 protein mRNA /cds=(176,961)	1	TGGTTTGTTCATGGATGTATTCTAAG AGCTGAGAACAGGGCCTGGACACA
763 ⁻	db mining	Hs.12436	AK026309	10439130	cDNA: FLJ22656 fis, clone HSI07655 /cds=UNKNOWN	1	TGTTCTGAATGTTGGTAGACCCTTCA TAGCTTTGTTACAATGAAACCTTG
7632	2 db mining	Hs 15164	NM_006333	5453582	nuclear DNA-binding protein (C1D), mRNA /cds=(117,542)	1	TGTTGATGGATGAATTTTGGCATGAT GACTGTACTCTCAATAAAGGCTGA

7633	db mining	Hs 130743	AA642459	2567677	ns30d01 s1 cDNA, 3' end	1	TTCATCCTGTGAGTGCTGGGGAGGA
7000	-				/clone=IMAGE:1185121 /clone_end=3'	1	GGAGTAGATACAGACTGAGTGAGAG TTCATTTTCCTGGGAAGTCAAGGTTA
7634	db mining	Hs 16492	NM_015497	13794264	DKFZP564G2022 protein (DKFZP564G2022), mRNA	'	CATCTTGCAGAGGTTGTTTTGAGA
7635	db mining	Hs 122552	NM_016426	7705291	G-2 and S-phase expressed 1	1	TTCTAAGCCGAACCAAATCCTTTGCC TTGAAAGAACAGCCCTAAAGTGGT
7636	db mining	Hs.312510	Al174807	6361196	(GTSE1), mRNA /cds=(70,2232) HA2528 cDNA	1	TTTGTTTGTTTGTTTCAGATAGGGTCT
7030	do mining				ii	1	CCCTCTGTCACCCAGGCTGCAGT TTTTGTAAATCACGGACACCTCAATTA
7637	db mining	Hs.108258	NM_012090	10048480	actin cross-linking factor (ACF7), transcript variant 1, mRNA	1	GCAAGAACTGAGGGGAGGGCTTT
7638	db mining	Hs.111092	NM_024724	13376033	hypothetical protein FLJ22332	1	CGGTGTGGAAAATGTTGTCCTTTGAG TGGCAAGAATTAGAAAAATCTTCA
7620	db mining	Hs.114311	NM_003504	4502712	(FLJ22332), mRNA /cds=(275,1255) CDC45 (cell division cycle 45,	1	CTGAAAGCTGAGGATCGGAGCAAGT
7639	do mining	113.11-011	/IIII_00000 :	,	S cerevisiae, homolog)-like (CDC45L),		TTCTGGACGCACTTATTTCCCTCCT
7640	db mining	Hs.11081	NM 025241	13376853	mRNA /cds=(24,1724) UBX domain-containing gene 1	1	GTTGGCCTCAGCCCTGTGGGTCTGT
7640	do maning	113.11001	_		(UBXD1), mRNA /cds=(96,1421)	4	CTCATGCTCTCCCTGTTCCTCTCCC TAGCCATACTTAGCCTCAGCAGGAGC
7641	db mining	Hs.100217	NM_005892	5174400	formin-like (FMNL), mRNA /cds=(39,1430)	1	CTGGCCTGTAACTTATAAAGTGCA
7642	db mining	Hs.12258	AL137728	6808258	mRNA, cDNA DKFZp434B0920 (from	1	TGAGGGCTGTGCTGACCTTTGAGAG GATTTGAAATTGCTTCATATTGTGA
7643	db mining	Hs.155462	NM_005915	7427518	clone DKFZp434B0920) minichromosome maintenance	1	TGTGTAAGAAAAGGCCCATTACTTTT
1043	db thining	113.100402	MM_000010		deficient (mis5, S. pombe) 6 (MCM6),		AAGGTATGTGCTGTCCTATTGAGC
7644	dh mining	Hs.165998	NM 015640	7661625	mRNA /cds=(61,2526) PAI-1 mRNA-binding protein (PAI-	1	TTGTTGGTAGGCACATCGTGTCAAGT
7644	db mining	FIS. 100990	14141_010040		RBP1), mRNA /cds=(85,1248)		GAAGTAGTTTTATAGGTATGGGTT TTTCTAGCTTTTCCGTGTATCTAAACA
7645	db mining	Hs.164207	NM_024805	13376184	hypothetical protein FLJ21172 (FLJ21172), mRNA /cds=(138,1169)	1	CAATTTGCTACACAAGTCACTGT
7646	db mining	Hs.150275	D87682	1663699	mRNA for KIAA0241 gene, partial cds	1	ACTGTGGCACATGTTTTGATCAGAAA
7047	dh minina	Hs.11039	NM_024102	13129109	/cds=(0,1568) hypothetical protein MGC2722	1	GGTAGTTCTCTTTGCTCTGGTAGT CATCTTCTGCCCTGGTCCCCTTTCTC
7647	db mining	113.11000			(MGC2722), mRNA /cds=(69,1097)		TTGATGTGGAAAGTCTGAATGCAG CGCTCTAATACTGCATTCTGTTTCTC
7648	db mining	Hs.102708	NM_015396	7661561	DKFZP434A043 protein (DKFZP434A043), mRNA	1	CTTTTGTGCCCTGATTGTAATCCA
7649	db mining	Hs.109646	NM_002493	4505364	NADH dehydrogenase (ubiquinone) 1	1	CTGGAGACTGGAGAAGTAATTCCACC AATGAAAGAATTTCCTGATCAACA
					beta subcomplex, 6 (17kD, B17) (NDUFB6), mRNA /cds=(68,454)		
7650	db mining	Hs.142307	AL137273	6807710	mRNA; cDNA DKFZp434I0714 (from	1	TCAGTGTTTCGTTATTCCATATCAGTG GCTTTTACTGTCAAAGATTGTGT
7651	db mining	Hs.16297	NM_005694	5031644	clone DKFZp434I0714) /cds=(0,412) COX17 (yeast) homolog, cytochrome c	1	TGCATGAGAGCCCTAGGATTTAAAAT
7001	up miling	110,10201			oxidase assembly protein (COX17),		ATGAAATGGTGGTCTGCTGTGA
7652	db mining	Hs.11184	NM_017811	8923387	mRNA /cds=(86,277) hypothetical protein FLJ20419	1	TGTGCTAAGCCTGATGAAATGTGCTC
7002			_		(FLJ20419), mRNA /cds=(191,907)	1	CTTCAATCTCCATGAAACCATCGT AAATGATCTCCCTTTATTACCCTCCCA
7653	db mining	Hs 12013	NM_002940	4506558	ATP-binding cassette, sub-family E (OABP), member 1 (ABCE1), mRNA	'	AAGGTTACCAGCGTTTGAATTTA
			194 005000	40545000	/cds=(117,1916)	1	ACACACTAATGTAACCATTTTATGAAG
7654	db mining	Hs.155485	NM_005339	12545382	huntingtin interacting protein 2 (HIP2), mRNA /cds=(77,679)		GTTGAAGTGGATTTATGCAGGCA
7655	db mining	Hs.154573	AW955094	8144777	EST367164 cDNA	1	ATCAGGAGAATGTCAAAGAAGTCCTT TATGTGGATTGCCCGAGCTTCTCT
7656	db mining	Hs.142157	AF080255	5733121	lodestar protein mRNA, complete cds	1	ATTGTGCCACTGTTTTCCAGCCTGGG
		11- 4404	A1/005670	10438273	/cds=(30,3518) cDNA: FLJ22026 fis, clone HEP08537	1	CAATACAGTGAGACCCTGTCTCAA CGTCAAAGTCAATCCCAAAACAGATA
7657	db mining	Hs.1191	AK025679		/cds=UNKNOWN		AGCCCTATGAGGATGTCAGCATCA
7658	db mining	Hs.13340	NM_003642	4504340	histone acetyltransferase 1 (HAT1), mRNA /cds=(36,1295)	1	ACGACTTGCTCAAGAGTAAAGATTAT ACTGCTCTGTACAGGAAGCTTGCA
7659	db mining	Hs.108110	NM_014034	7661591	DKFZP547E2110 protein	1	TGTTGAGGAAAGGAAAAGGGCATTTG TCTAAACATGGATTCTGAGTTGTA
7660	db mining	Hs 123295	5 AA833793	2908561	(DKFZP547E2110), mRNA od61g07.s1 cDNA	1	GTGGATGAGTAGGGAGTGGGCGAGA
7000	GB mining	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			/clone=IMAGE:1372476		CAGGGACGAGATGAGCAGGGTCAAG
7661	db mining	Hs.126565	5 AB020668	4240210	mRNA for KIAA0861 protein, partial	1	GGTGTTCGTGTTAGTGCCAAGATTGC
		11- 45547	4 AD007900	2887434	cds /cds=(0,2948) KIAA0432 mRNA, complete cds	1	TTCGTTGTAGAGAGAGTTCGTTCC ACTAGAGTCCAGGTAATAGTAGTGGA
7662	db mining		4 AB007892		/cds=(0,2251)		GATATGTGGAGAGACATGATAGGT
7663	db mining	Hs.11644	5 AA648776	257520	5 ns24d11.s1 cDNA, 3' end /clone=IMAGE:1184565 /clone_end=3'	1	TTCCTGTGTGAGATTTCTCGCCATTC CTCAATTCAACAAATATGCCTTTT
7664	db mining	Hs.12493	3 AA825303	289860	5 oc67e04.s1 cDNA, 3' end	1	TATACTTTGATCCCTCAGCAAGTTGT CCTCACTGTTGTGTGAACCTGTTT
7665	db mining	Hs 31326	7 AW295641	670227	/clone=IMAGE:1354782 /clone_end=3' 7 UI-H-BW0-aip-e-12-0-UI.s1 cDNA, 3'	1	TTTCCTGAATACTTTATGACAACTGAG
					end /clone=IMAGE:2729975	1	TTTGCCGGGTAGAGTGGCCGTTT AAACTAGAATTCCGGTTTCCCAAGGT
7666	db mining	Hs 31320	3 AW293882	6/0051	8 UI-H-BW0-ain-e-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729941		GGCTTATGACAACCAGAATCCTTT
7667	db mining	Hs 10548	8 AA521017	226156	0 aa70f05 s1 cDNA, 3' end /clone=IMAGE:826305 /clone_end=3'	1	GGCTTCCCGCCTGTGCAGTCATTTGT ATGTGTTTTATATATTGGAGTGTT
					/CIONE-IN/AGE.020000 /CIONE_ENG-0		

7668	db mining	Hs 125802	AA806833	2876409		1	ACAAAATATAAGGTGTGACTTTGGAT
7669	db mining	Hs.313274	AW295745	6702381	/clone=IMAGE:1351099 /clone_end=3' UI-H-BW0-aiw-g-10-0-UI.s1 cDNA, 3'	1	CCTGACTCAAACCAACCAGCTGTT TCAAAATCCGTTACTCTTTCCACAACA
7670	db mining	Hs 320376	BF512113	11597325	end /clone=IMAGE:2730834 UI-H-BW1-ami-h-04-0-UI.s1 cDNA, 3'	1	ATTGAGGGTAATGGTGTTCAGTT GCCATTCCGGCTTCTCTATTTGAAAA
		Hs 315341	BE675056		end /clone=IMAGE.3070302 7f01f10 x1 cDNA, 3' end	1	CAGTTACCATATTCCCCCTCAGTT ATTTGGTAGAGACGGGGTTTCACCTT
7671	db mining				/clone=IMAGE:3293419 /clone_end=3' UI-H-BW1-amc-f-01-0-UI.s1 cDNA, 3'	1	ATTGCCCAGGCCATCATGTATCTT TGTCATTTGCCCTTTCCCCCATATAT
7672	db mining	Hs 320407		11597660	end /clone=IMAGE:3069456		GTAGAATTGGGTCTTTTTCAACTT
7673	db mining	Hs 313347	AW297156	6703802	UI-H-BW0-ajd-b-05-0-UI s1 cDNA, 3' end /clone=IMAGE:2731329	1	ACAGGGAGAGACTACACACAAGCCA ACCTCAATCTCATCTTTATGCCATT
7674	db mining	Hs 123298	AA809468	2878874	ob85a10.s1 cDNA, 3' end /clone=IMAGE:1338138 /clone_end=3'	1	TCTTCTTTTTGATGTGAATTACTCTTG AAATGCCGGAGAAGGGACAAATT
7675	db mining	Hs.320416	BF512570	11597749	UI-H-BW1-amf-e-12-0-UI s1 cDNA, 3' end /clone=IMAGE:3069791	1	AGATAGAGTCATATTCTATTTAGCTTG GGACATGGCAGGTACTCAGTTGT
7676	db mining	Hs.309262	Al440532	4300887	CM4-NT0290-150101-684-e05 cDNA	1	AGCCTTTTTGGGAGTGAGGGTTTATA TGATGTCTGATTCTGTAATACTGT
7677	db mining	Hs.313338	AW297010	6703646	UI-H-BW0-ajf-d-01-0-UI.s1 cDNA, 3'	1	GCAGCCCTGAGCCTGGAATAGATACT
7678	db mining	Hs.315325	BE646400	9970711	end /clone=IMAGE.2731441 7e86c01.x1 cDNA, 3' end	1	TTTTGGTCTTTTGGTTGTAGATGT CCCTCCCTATCTTTTTATGGGTAATTT
	db mining		AW293016	6699652	/clone=IMAGE:3292032 /clone_end=3' UI-H-BW0-aih-f-04-0-UI s1 cDNA, 3'	1	GATTATACACGGTGCTTGAATGT TATGTCTTCTTACCCCAGCACCCCTA
7679	_				end /clone=IMAGE:2729239 UI-H-BW0-ais-b-09-0-UI.s1 cDNA, 3'	1	ATTTAAAATACAGATCCCTGAGGT AAAACCTTGACAGTTCATTTCACCAA
7680	db mining		AW297413		end /clone=IMAGE:2730208		GCACCTATCAGGTATTTGGCAGGT
7681	db mining	Hs.313365	AW297482	6704118	UI-H-BW0-aja-a-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730920	1	AGTGCCCATGCTGTTTCAGATGCTCT TCTAGCTCCTGGAGATACATCAGT
7682	db mining	Hs.313358	AW297377	6704013	UI-H-BW0-air-f-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730381	1	TGAGCTTCTGCTAGTAATTCCTTCAG GGGATTTCCTCCATGGCCGTAAGT
7683	db mining	Hs.320474	BF513180	11598359	UI-H-BW1-amj-d-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070115	1	GAGGGTGTCTGCTAATGATTTCCGAA AAGTTCTTCAAAACACTCCGAAGT
7684	db mining	Hs.313382	AW297707	6704343	UI-H-BW0-ajh-f-10-0-UI.s1 cDNA, 3'	1	ACCAGTGTGATGAGTTTTGACAAGAG
7685	db mining	Hs.125779	AA810831	2880442	end /clone=IMAGE:2731915 oa76d09.s1 cDNA, 3' end	1	ACAAAAGGAAAGGGTGGGAGAAGT GCTGGTTGTTGCCTTTCAAGACAGCC
7686	db mining	Hs 313389	AW297882	6704507	/clone=IMAGE:1318193 /clone_end=3' UI-H-BW0-aju-e-07-0-UI.s1 cDNA, 3'	1	AACTACCATTTATTCAACAGAAGT AGTCTGTCTATTCTCTTCTC
	_	Hs.313391			end /clone=IMAGE:2733036 UI-H-BW0-aju-h-11-0-UI s1 cDNA, 3'	1	CTGTCTGTTGCTCAAATTCAAGT GCCAAGGTGAGTCAAAACACTGCTCT
7687	db mining				end /clone=IMAGE:2733188	1	TCAGAAAGCAATTATTTGAAAAGT CATTGTCCCTCCCGCTGTGCTCTCAG
7688	db mining	Hs.309446	Al492055		tg12a01.x1 cDNA, 3' end /clone=IMAGE:2108520 /clone_end=3'		GCAATAAATGATTTGATTATTTCT
7689	db mining	Hs.313311	AW296433	6703069	UI-H-BW0-aiq-a-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730128	1	GGTCAGAAACAGGCCCACAGAGACT CTGGAGGGTTCTTCCTTTGTGTTCT
7690	db mining	Hs.319887	BF507608	11590906	UI-H-BW1-ana-e-05-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071720	1	TTCAACTGCTTTGGCACTGCCATGGG TACCTGAGGATAAGAGAGATGTCT
7691	db mining	Hs.255237	AW293790	6700426		1	GGGTTGACTAAATGCACATGGGCTTA TCTTTACCTCTTCCAGAAATGTCT
7692	db mining	Hs.313363	AW297459	6704095	UI-H-BW0-ais-g-03-0-UI.s1 cDNA, 3'	1	TGCATGACCAGAAACACTGCCTGATA CAGTAAGCAGAGGTAGCTGTCTCT
7693	db mining	Hs.320367	BF512169	11597272	end /clone=IMAGE:2730436 UI-H-BW1-ami-c-10-0-UI.s1 cDNA, 3'	1	ACCTGCCAGCCAGCCCACAACTATAA
7694	db mining	Hs 320440	BF512733	11597912	end /clone=IMAGE:3070074 UI-H-BW1-amm-d-04-0-UI.s1 cDNA, 3'	1	ACTGTGTGACACCCAAATTTATCT GGTTTCTGAGGTGATTCTAATATGCA
	db mining		AW297607		end /clone=IMAGE:3070494 UI-H-BW0-ajg-e-04-0-UI.s1 cDNA, 3'	1	GTCATGGTTAAGAACCTGTGATCT AAGCCTTGGACCAGCTTCCCGTTTCT
7695					end /clone=IMAGE:2731854	1	CTCTTGTCTCCTGCCAAAAGATCT ACCCAAAGGATGGTGTCTCCTGTCCC
7696	db mining	Hs.313355	AW297325		UI-H-BW0-air-a-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730135		AGTTGAAAAGGTTTCTACCTAGCT
7697	db mining	Hs.320420	BF512599	11597778	B UI-H-BW1-amf-h-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069925	1	TGGTTGAATACGCAGGAACACCCACA GTACCCAGGGACTAATAAATAGCT
7698	db mining	Hs.118899	AA243283	1874128	3 zs13g11.s1 cDNA, 3' end /clone=IMAGE:685124 /clone_end=3'	1	TTAGGGCAGTGGAGAATCAGGGTGT ATCTAATAAATTCCTTCATGGAGCT
7699	db mining	Hs.105228	AA489212	2218814	aa57d11.s1 cDNA, 3' end /clone=IMAGE-825045 /clone_end=3'	1	GCAGATGTCTGCGTCATGGTTTATTA CTCCTGTGTTCGTTTCAAGGAGCT
7700	db mining	Hs.297505	BF514865	11600044	UI-H-BW1-anj-f-12-0-UI.s1 cDNA, 3'	1	TGTCTGTATTTGGAGTCCAGTAGTAC ACTGAAAATAATCCCGTAAAAGCT
7701	db mining	Hs.320492	BF513340	11598519		1	CTCCCTTCCCACCATACACACACTCC
7702	db mining	Hs.304837	AW292802	669943	end /clone=IMAGE:3070050 UI-H-BW0-aij-f-12-0-UI.s1 cDNA, 3'	1	GGTGAAATTGACTGGGTTCCTCCC
7703	•	Hs.24656	BF507762	1159106	end /clone=IMAGE:2729615 KIAA0907 protein (KIAA0907), mRNA	1	ACCTCTCTTTCCGTAGCAATTCCT ACTAATTCCCGTGTCTGGCCCTGAAC
	_	Hs.320460			/cds=(26,1720) 4 UI-H-BW1-amh-b-06-0-UI s1 cDNA, 3'	1	ATGAAGATATAATGGACGATCCCT TTAAAGGCTCAAACCTACCTCAGACA
7704	-				end /clone=IMAGE:3069659	1	CTGCTCTACCCATCCCCATCCCCT CCCTTTGTGAGAAGAAGCAGGTTTCC
7705	db mining	Hs.313384	1 AW297745	670438	end /clone=IMAGE 2730954	'	TTTCCTATGGATTGATGTGACCCT

7706	db mining	Hs 105105	AA419402		zu99a12 s1 cDNA, 3' end	1	TTCTACCCATCACACAGATTCTTCCA
	•				/clone=IMAGE 746110 /clone_end=3'		CTTAATAAAATCCATCACCTACCT
7707	db mining	Hs.123180	AA805419		oc13g03.s1 cDNA, 3' end	1	TCATTACTGTTGTGAAGGCTCTTCAA GAGAGAAAGATGAAGCTGAAACCT
7700	41	Hs 297396	DE615192		/clone=IMAGE:1340788 /clone_end=3' UI-H-BW1-anl-c-01-0-UI.s1 cDNA, 3'	1	GCTGTCCGTGAAAGCACTCTCAAGTC
7708	db mining	HS 297 390	DE010100	11000430	end /clone=IMAGE:3082728	•	AGGAACTGAACTAAGAACTTTACT
7709	db mining	Hs 334992	AI084211	3422634	RST20881 cDNA	1	CTCCTGTAATCCCAGCACTGGAGCTT
7700	ab mining	110 00 1002	,				GCAGTGAGCCAAGATCATGCCACT
7710	db mining	Hs.313273	AW295743	6702379	UI-H-BW0-aiw-g-08-0-UI s1 cDNA, 3'	1	TTGGTCACCACACCTGGGTGTCTGAA
					end /clone=IMAGE:2730830		TGTCTTGTCCTTCTAAAGGTAACT GCAACAATTCTTTGGAAAGTGACTCT
7711	db mining	Hs.319891	BF507631	11590929	UI-H-BW1-ana-h-01-0-UI.s2 cDNA, 3'	1	CTAGGGTGCGGAGAATGGTGACTCT
7740	alle anciacione	11- 220422	DEE10614	11507703	end /clone=IMAGE:3071856 UI-H-BW1-amg-a-12-0-UI s1 cDNA, 3'	1	TCATCTCTGTAGGTCTTCCTAATCCTA
7712	db mining	Hs 320422	BF312014	11397793	end /clone=IMAGE.3069622	•	TGCGGAGCCAAATATAGACGGAT
7713	db mining	Hs.319872	BF507414	11590721	UI-H-BW1-amz-a-11-0-UI.s2 cDNA, 3'	1	CTTTGTATTTCAAAGAAAGTAGCCCC
					end /clone=IMAGE:3071517		TTGGCTCTGATATTAGTTGCAGAT
7714	db mining	Hs.264120	Al523641	4437776	601436078F1 cDNA, 5' end	1	TTTAGGAGCTGACCATACATGATGAG TGATACAGCCTGTACTTTGCTCAT
		11. 405004	A A 404000	2220426	/clone=IMAGE:3921187 /clone_end=5' aa49d04.s1 cDNA, 3' end	1	ACTGGGATGAGATGAGATTCAAGGCA
7715	db mining	Hs 105284	AA491263	2220436	/clone=IMAGE:824263 /clone_end=3'	•	CTTTTGGAGGGTGTAGCTAGCCAT
7716	db mining	Hs.124376	AA831043	2904142	oc58h02.s1 cDNA, 3' end	1	AGGCTGTTGCTGCACGGGCTTTTCAA
7710	ab maning	110.121070	, , , , , , , , , , , , , , , , , , , ,		/clone=IMAGE:1353939 /clone_end=3'		AAGCGACTCATTATGAAGAAGAAT
7717	db mining	Hs.309144	Al384035	4196816	td05c02.x1 cDNA, 3' end	1	GCACTCCAGCCTGGGCAACAAGAGC
					/clone=IMAGE:2074754 /clone_end=3'	1	GAAACTCTGCCTCCAATAAATAAAT CGGGCGGTGGCGGCTGCCTGGGAG
7718	db mining	Hs 301325	BF514004	11599183	UI-H-BW1-amv-e-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3071311	•	AAGATGAATCTTTCATGAGTGATTTG
7719	db mining	Hs.319904	BF507742	11591040	UI-H-BW1-anc-f-02-0-UI.s2 cDNA, 3'	1	GATGGAACTCAAGGTGCTTTACGCTT
7719	OD Hilling	13.010004	Broom	11001010	end /clone=IMAGE:3072122		TCCTCAGTCTTACCAGGAGGCTTG
7720	db mining	Hs 320092	Al392740	4222287	tg23f02.x1 cDNA, 3' end	1	ACCAACCCTATGGACAACTTGATCTT
	-				/clone=IMAGE:2109627 /clone_end=3'		GAACTTCTAGCTTTCAGACCTGTG
7721	db mining	Hs.313371	AW297578	6704214	UI-H-BW0-ajg-b-03-0-UI.s1 cDNA, 3'	1	AATGTAGCTGACATTGGAGCCACCGC CCATAGAAGAAGGCTAAAACTGTG
7700	-11	110 220444	BF512784	11507063	end /clone=IMAGE:2731708 UI-H-BW1-amm-h-10-0-UI.s1 cDNA, 3'	1	CTTCACTGACGATCTGAGACACTAGG
7722	db mining	Hs.320444	BF312704	11337303	end /clone=IMAGE:3070698	•	CAGGTTGGAAAGGGTGGAGTGGTG
7723	db mining	Hs.320473	BF513155	11598334	UI-H-BW1-amj-b-03-0-UI.s1 cDNA, 3'	1	GCCCCTGGTGGTTGGAAAAGTGTTCT
					end /clone=IMAGE:3070013		GAATCCAATAAAAGGAAAGCGGTG
7724	db mining	Hs.320419	BF512597	11597776	UI-H-BW1-amf-h-05-0-UI.s1 cDNA, 3'	1	CAACAGTGGCAAGAGTAGCCAGCCC ATAGGACGGAATGAAAATCAAGGTG
7705	مالد مداسات	Un 200265	BF512157	11507260	end /clone=IMAGE:3069921 UI-H-BW1-ami-b-10-0-UI.s1 cDNA, 3'	1	CATCCTTAGATGCCAGTCTTCACTTT
7725	db mining	Hs.320365	BF31213/	11081200	end /clone=IMAGE:3070026	•	GGGTATTTTCCTGCCTCCTCAGTG
7726	db mining	Hs.299471	BF513893	11599072	UI-H-BW1-amq-d-02-0-UI.s1 cDNA, 3'	1	ACCAACAGTACCGTTATTGCCACCAC
					end /clone=IMAGE:3070874		AAGTAAACCAGTCCCTCACTTCTG
7727	db mining	Hs.313368	AW297544	6704180	UI-H-BW0-aja-g-01-0-UI s1 cDNA, 3'	1	AGGCTAAATCAGAGCTTTCCTCCCCA
				0040000	end /clone=IMAGE:2731200 zv02g12.s1 cDNA, 3' end	1	GATAAAGGAAATTTTCCCTCCCTG AACTTCCAGAGGCAGGAGATTAGACA
7728	db mining	HS.105170	AA481410	2210902	/clone=IMAGE:746374 /clone_end=3'	•	GGGATGACAGTTAAGGGGTTACTG
7729	db mining	Hs.313251	AW295130	6701766		1	ACCTCTTCGTTGTATTTTACCTTTCAC
					end /clone=IMAGE:2730495		TTACAAACAAGCTCATGCCACTG
7730	db mining	Hs.297392	BF514201	11599380		1	GATCAAAACAAGGTCCTTGACTTTTT GCAGGGGCAGCCTGGCAATCAATG
7704	alle seriedia e	11- 400447	A A 764040	2010142	end /clone=IMAGE:3082401 nz20c03.s1 cDNA, 3' end	1	CCTAAATGTTGTCCCTCAGAGATGCA
7731	db mining	HS. 122417	AA761212	2010142	/clone=IMAGE:1288324 /clone_end=3*	•	CAGATGTATATGGGTAAGGAAATG
7732	db mining	Hs.297469	BF512785	11597964		1	CCAACCATAGTCATGAAGCTGCTTCT
	ŭ				end /clone=IMAGE:3070700	_	GTTCCCAATGCAATCCCATTGTGG
7733	db mining	Hs 313275	AW295750	6702386		1	GCTTTTCAATGCTTCCGAAACTGAGT GCTAACAGGGGCAATTAGTGCTGG
7704	dh minina	∐a 212172	AW293031	6600667	end /clone=IMAGE.2730868 UI-H-BW0-aih-g-10-0-UI.s1 cDNA, 3'	1	AGTTCTTGTAACAGTTAAAACTTTCTT
7734	db mining	П5.313173	AVV293031	0033001	end /clone=IMAGE:2729299		GCCAGCTCTCAGGTTATCACTGG
7735	db mining	Hs.320386	BF512295	11597474	UI-H-BW1-amb-e-03-0-UI.s1 cDNA, 3'	1	GTGTGTAAATGAGTGTCAGATCTTTT
	•				end /clone=IMAGE:3069389		CTTGAAAACAGGTTTGGATTGGGG
7736	db mining	Hs.320429	BF512664	11597843	UI-H-BW1-amg-f-03-0-UI.s1 cDNA, 3'	1	AGGGTCCACAAGGAGAATATTTTCTT AAAGTAACTCCCTGATTTGCGGGG
7707	dh minina	Un 102252	AA811133	2880744	end /clone=IMAGE:3069844 oa98b10.s1 cDNA, 3' end	1	GCTCCCCTATGCCTGTGTAGCAGAAT
7737	db mining	HS. 120002	AA011100	2000144	/clone=iMAGE:1320283 /clone_end=3'		CTAAAAGATAATCATGTGAACGGG
7738	db mining	Hs 320389	BF512323	11597502	UI-H-BW1-amb-g-09-0-UI.s1 cDNA, 3'	1	TTGTCTTGTTTCTTTTATCTCCCCTAT
					end /clone=IMAGE:3069497		GTTTCATCTTAGTGCAGGCAGGG
7739	db mining	Hs.120563	AA741116	2779708	nz04f08.s1 cDNA, 3' end	1	ACAGTTGCCTTTGAGATTCCTGTATTT CTGCATGAATAAATCCATAAGGG
7740	dh minin-	Un 220272	BF512098	11507310	/clone=IMAGE:1286823 /clone_end=3' UI-H-BW1-ami-f-12-0-UI.s1 cDNA, 3'	1	GTCCTTGGAAGGTAACACTTGTGATT
7740	db mining	Hs.320373	DE 212080	11091010	end /clone=IMAGE:3070222		GGAACCACTCTTCAAGCTGAACGG
7741	db mining	Hs 320490	BF513327	11598506	UI-H-BW1-amk-a-07-0-UI.s1 cDNA, 3'	1	ATTCATTCATTCATTCAACAAGCACTT
					end /clone=IMAGE:3069996		AAAAACAATGCCTGTGTGCCAGG
7742	db mining	Hs.313290	AW296074	6702710	UI-H-BW0-aiu-h-07-0-UI.s1 cDNA, 3'	1	CACACCCAGCCCCATTCACAAAGGAC TATAAAATCTACACCCCAGTCACG
77.40	dh minin-	ലം മാറാററ	BF512330	11597509	end /clone=IMAGE:2730852 UI-H-BW1-amb-h-05-0-UI.s1 cDNA, 3'	1	GGCATAGTAGTGCTAAACAGAGGTG
7743	db mining	ns.320390	DE012000	11081008	end /clone=IMAGE:3069537	•	GAAGTAGTGAAGGGAGTTTTGAACG

7744	db mining	Hs.297397	BF507606	11590904	UI-H-BW1-ana-e-02-0-UI.s2 cDNA, 3'	1	CTAGTCCTGCCCCCACCTCCCCAAGT
	•				end /clone=IMAGE:3071714		ATTACCCCTCCTAAGTCCTGCTAG
7745	db mining	Hs 309256	Al373161		qz13a01.x1 cDNA, 3' end	1	AGATAAGCAGGATAAACAAGACAGGT
	_				/clone=IMAGE.2021352 /clone_end=3'		TGGATTGTGATCAGCTCTATGGAG
7746	db mining	Hs.343303	BF513322		UI-H-BW1-amk-a-02-0-UI.s1 cDNA, 3'	1	GATGGCTAGGACAAGATGATTTACAA
					end /clone=IMAGE.3069986		GAGCGTGGCGGGAGGGACGGCGAG
					/clone_end=3'		AAATATATAAATTATATATATATATATA
7747	db mining	Hs 301870	BF507614	11590912	UI-H-BW1-ana-f-03-0-UI.s2 cDNA, 3'	1	CCGTGTCTGGATTGTGTGTCTTACTT CTAAAGGTGCACATACTTCATAAG
					end /clone=IMAGE:3071764	1	GTATCTCTGCACCTCACTACTACCCCT
7748	db mining	Hs 300479	AW452510	6993286	UI-H-BW1-ame-a-12-0-UI s1 cDNA, 3'	'	TCACTCCTTGGAGACCTGGGCAAG
			DEE40004	44507400	end /clone=IMAGE:3069598 UI-H-BW1-amb-e-09-0-UI.s1 cDNA, 3'	1	AACACACCACCAAACATTCTTCCCAT
7749	db mining	Hs 320387	BF512301	11597460	end /clone=IMAGE:3069401	•	CCTTCTTCACCAACCAGCTACAAG
7750	مال سنامات	Hs.122854	A A 202626	1040611	zs57h08.r1 cDNA, 5' end	1	ACAATTGGAGTTGGGGCTGTCACCAC
7750	db mining	HS. 122004	AA232020	1340011	/clone=IMAGE:701631 /clone_end=5'		CTGAAGTGTGTCAACCACAGAAAG
7751	db mining	He 300488	AW453029	6993805	UI-H-BW1-ama-c-10-0-UI.s1 cDNA, 3'	1	TTAGGGCAAAAGTCCTAGTGGCGGC
1751	db milling	110.000 100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		end /clone=IMAGE:3069306		AGCTTTCTTGTCTAGACCCTGGTTC
7752	db mining	Hs.335081	Al380942	4190807	tg18c08 x1 cDNA, 3' end	1	AGTGATGCTTGCCTTTTCGCTTTCCT
					/clone=IMAGE:2109134 /clone_end=3'		AAAGATGTCATTTGAAAACAAGTC
7753	db mining	Hs.313822	AW452916	6993692	UI-H-BW1-amd-b-02-0-UI s1 cDNA, 3'	1	CCCAGCTTCATTAATGTGAATGGTGG
	· ·				end /clone=IMAGE 3069267		CAGACACCTCTAGCTATAGAGCTC
7754	db mining	Hs.309486	AI523959	4438094	tg98f09.x1 cDNA, 3' end	1	GAGCCAAGATTGGGCCACTGCACTC
					/clone=IMAGE:2116841 /clone_end=3'		CAGCCTGGGTGACAGAGTGAGACTC
7755	db mining	Hs.303926	Al084223	3422646	oy72g05 x1 cDNA, 3' end	1	GAGCCGAGATTGCATCACTGCACTCC AGCCTGGTCAACAGAGCGAGACTC
					/clone=IMAGE:1671416 /clone_end=3'	4	TTCAGTCATGCAGCAACATCCGCTTA
7756	db mining	Hs.313170	AW292942	6699578	UI-H-BW0-aig-f-11-0-UI.s1 cDNA, 3'	1	ATGCCTCCTAAGTGCAGAACACTC
					end /clone=IMAGE:2729252 UI-H-BW1-ame-e-11-0-UI.s1 cDNA, 3'	1	GGTCCTCTCTCTCTCTCTCCCTAG
7757	db mining	Hs.313795	AW452553	6993329	end /clone=IMAGE:3069788	•	TAACTAACCACCAAAGCCTAAATC
====	.Ust.a.t.a.a.	11- 040000	BF507567	11500965	UI-H-BW1-amr-h-08-0-UI.s1 cDNA, 3'	1	TTGTTTGTTTGTTTATTTATTTATTTTG
7758	db mining	Hs.319883	BF30/30/	11090000	end /clone=IMAGE:3071079	•	AGGCAGCGTCTTGCTCTGTTGC
7759	db mining	Hs.320476	BF513187	11598366	UI-H-BW1-amj-e-02-0-UI s1 cDNA, 3'	1	TGCCATCTTTACATCTAATCAAGAGG
7759	ab mining	113.520-110	B1 010107	11000000	end /clone=IMAGE:3070155		TAGAGCTTCCCCTGGTGTTCCTGC
7760	db mining	Hs.313828	AW453000	6993776	UI-H-BW1-ama-a-05-0-UI.s1 cDNA, 3'	1	TGCTCTGCTCTTCCCAAATCAAGGAA
					end /clone=IMAGE:3069200		TGTAGATCTTGCTAACAGAACTGC
7761	db mining	Hs.120251	AA731386	2753542	nz86f07.s1 cDNA, 3' end	1	TGGCACCAACTTACACTTCCAGAAGA
	-				/clone=IMAGE:1302373 /clone_end=3'		GAGTGGTTCAGGAAATTACTATGC
7762	db mining	Hs 313392	AW297908	6704544	UI-H-BW0-ajn-a-04-0-UI.s1 cDNA, 3'	1	AACTTTGGGAAGTGAGACTCTGTCTT
					end /clone=IMAGE:2732071		GGGTTTTTGATAATAAATGTGGGC CCGAGAAAGTACGGCTGGAGCGGAC
7763	db mining	Hs.343320	BF512697	11597876		1	TGGGAGACGGAAATATTGAGTCGC
					end /clone=IMAGE:3070346		IGGGGAGACGGAAATATTCACTCCC
7704		11- 004476	A1E 404 00	4457555	/cione_end=3' td10f04.x1 cDNA, 3' end	1	CGAAGAAAGAATTGGATGCAGAATTG
7764	db mining	HS.304176	Al540182	4457555	/clone=IMAGE:2075263 /clone_end=3'	•	TTGCCTAACCTGGGTGACAAGAGC
7766	dh mining	He 320425	BF512629	11597808	UI-H-BW1-amg-c-03-0-UI.s1 cDNA, 3'	1	AGTGCCTGTGATTCCACCCCCTTACC
7765	db mining	H5.320423	DI 312029	11007000	end /clone=IMAGE:3069700	-	TCCCACTCAAGTGACAATGTAAGC
7766	db mining	Hs 313236	AW294711	6701347		1	AGAAAGTTAGGAGTCGGCAACCTTAA
,,,,,	ab mmmg	1.5.5.5255	,		end /clone=IMAGE:2729806		GGAGGAGTTTCCTATCATCTCTCC
7767	db mining	Hs 313379	AW297666	6704302	UI-H-BW0-ajh-c-02-0-UI.s1 cDNA, 3'	1	TGTCACAAAGATGAAGCAAGGTGGCT
	•				end /clone=IMAGE:2731755		CAGGGAACGTGCTCAGAAACCTCC
7768	db mining	Hs.123341	AA810927	2880538	oa77d07.s1 cDNA, 3' end	1	GCAAAGTGAAAGTTTTCCCTTTGGCC
					/clone=IMAGE:1318285 /clone_end=3'		CTAAAATATGAAAGCAAAGCATCC
7769	db mining	Hs.313208	AW293991	6700627		1	CCCTGTCCATCTTTTCCTGTTCCTATC
				0000005	end /clone=IMAGE:2729726	1	CCACGGAGGGCTCCCCATCTAAAGG
7770	db mining	Hs.123344	AA811024	2880635	oa82g05 s1 cDNA, 3' end /clone=IMAGE:1318808 /clone_end=3'	•	GAGTTTAATAAACAAAGGAATGGCC
	atte and and an	U= 200450	BF512839	11500019	UI-H-BW1-amu-e-10-0-UI.s1 cDNA, 3'	1	CAATTGGTACATTCTCGGCAAACCCT
7771	db mining	HS.320430	DF312038	11330010	end /clone=IMAGE 3071322	•	TGCCCACAATTTCCTCAGGAAGCC
7772	db mining	He 313369	AW297549	6704185	UI-H-BW0-aja-g-08-0-UI.s1 cDNA, 3'	1	AGGGTGTCCCTGTGATTTTTAAATTC
1112	do mining	113.010000	7,111201010		end /clone=IMAGE:2731214		ACTATCTAGCTGTCCCTATCCCCC
7773	db mining	Hs.297527	BF515924	11601103	UI-H-BW1-aoa-e-01-0-UI.s1 cDNA, 3'	1	CTTATATTATGTTTTCTCTGTGACAAG
					end /clone=IMAGE:3084001		CACCTCACCTCCCAACCCACCCC
7774	db mining	Hs.297513	BF515498	11600677	' UI-H-BW1-ann-g-04-0-UI.s1 cDNA, 3'	1	GAGAATTCAAATTAAATGCAGAGTCC
					end /clone=IMAGE:3082950		TAGGCCCACCCTGGCATACCACCC
7775	db mining	Hs 105218	3 AA488881	2218483	aa55f06.s1 cDNA, 3' end	1	ACAACCAATGCCTCACACTTAAGCTC
					/clone=IMAGE:824867 /clone_end=3'	4	CTAGAAGTCACTAGGGACCAGACC GCCCTCACCAGAATTCAATCATGCTG
7776	db mining	Hs 309447	7 Al492062	4393065		1	GCACCTTATCTTGGACTTTCAACC
		11- 000 (55	ALEGOZEC	4407000	/clone=IMAGE:2108540 /clone_end=3'	1	AGGGTAAGAGTTCCAGACCTGACTG
7777	db mining	Hs 309483	3 AI523758	4437893	3 tg94e10 x1 cDNA, 3' end /clone=IMAGE:2116458 /clone_end=3'	'	GACAATAAAGTGAGACTGTCTCTAC
	dhi	Un 040000	DEE45340	11600441	2 UI-H-BW1-ank-g-09-0-UI s1 cDNA, 3'	1	CTCCGTCTGCCGCCTCCGTAGCCAC
7778	db mining	Hs.343333	BF515310	1 10004 12	end /clone=IMAGE:3082577	•	AGCGACTTTGGAAGTGATATTTGAC
7779	db mining	Hs 309687	7 Al401187	4244274	tg26h10.x1 cDNA, 3' end	1	CCCTGGAGAAGGAGGGTGATTTATTT
,,,,		5.00000			/clone=IMAGE:2109955 /clone_end=3'		TCAACTTTCTGATTTACCACCGAC
7780	db mining	Hs.314730	Al523958	4438093	3 tg98f08.x1 cDNA, 3' end	1	GATTGTTTGAGCCTGGGAGTTCCACA
	•				/clone=IMAGE:2116839 /clone_end=3'		CCAGCCTGGGCTACATAGGGAGAC

7781	db mining	Hs.313337	AW297006	6703642	UI-H-BW0-ajf-c-09-0-UI.s1 cDNA, 3'	1	CTGCTCTAGACTGAGCACAGCCACTG
7782	db mining	Hs.116455	AA649141	2575570	end /clone=IMAGE:2731409 ns32g12.s1 cDNA, 3' end	1	ACAGGTGACCTTCAGAATCCTCAC ACCCCTGCTTTACTGTGACAGACATA
7783	db mining	Hs 123313	AA810089	2870405	/clone=IMAGE:1185382 /clone_end=3' od12f12 s1 cDNA, 3' end	1	TAGTTTGTCATACATAAAACCCAC ACCTAACAGAAATTTGGATTCGGGTT
					/clone=IMAGE:1367759 /clone_end=3'		GTCTAAATACACCCTGGTGGGTTA
7784	db mining	Hs.319868	BF507353	11590660	UI-H-BW1-amx-c-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3071239	1	GCCTTTCCCACCAACAGTTTATGTGA TTCCCTGCCCTACCCTTACCATTA
7785	db mining	Hs 123342	AA811005	2880616	oa73g11.s1 cDNA, 3' end /clone=IMAGE:1317956 /clone_end=3'	1	TCCCATTGCATGTCCCGTATATTGAA AGCTGCCTCTACTTCTCTCTGGTA
7786	db mining	Hs 313288	AW296061	6702697	UI-H-BW0-aiu-g-06-0-UI.s1 cDNA, 3'	1	GGCAGGGGATGAACCAGATAATTTCC
7787	db mining	Hs 308998	AI356553	4108174	end /clone=IMAGE:2730802 qz27h12.x1 cDNA, 3' end	1	AGCCCTTCTTGGTAGCTCTTCGTA GCTTAGGAGTTTGGGACCAGCCTGG
7788	db mining	Hs.313328	AW296796	6703432	/clone=IMAGE:2028167 /clone_end=3' UI-H-BW0-ajb-e-06-0-UI.s1 cDNA, 3'	1	GTAACATAGTGAAACCCTGTCTCTA TTGCAGCTATTTTCAAGTTGTAAGAAA
7789	db mining	Hs 320462	BF512986		end /clone=IMAGE:2731115 UI-H-BW1-amh-c-06-0-UI.s1 cDNA, 3'	1	TGAACTTGCAACACATAGGGCTA TCTCTTGCCACAGGGATTTCCTCCAA
	•				end /clone=IMAGE.3069707		GCTGGAATCACCATTTCCTTCCTA
7790	db mining	Hs 297514	BF516300	11601479	UI-H-BW1-anz-e-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3084010	1	CCCACCCACCAGTAGGTTGTGATTCA ACTGAACCATTTCAGGAGCACCTA
7791	db mining	Hs.124358	AA830650	2903749	oc52g02.s1 cDNA, 3' end /clone=IMAGE:1353362 /clone_end=3'	1	GAACCCAGCTAAGCCACACCCAGATT CTGACCCAGGGATACTCTGAAATA
7792	db mining	Hs.313345	AW297163	6703789	UI-H-BW0-ajd-a-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731279	1	GTGTGTGCTGGCGTGCCTTATAGGT
7793	db mining	Hs.320484	BF513246	11598425	UI-H-BW1-amo-b-06-0-UI.s1 cDNA, 3'	1	AGGAAAACTCAGAAATAATTTCTGCC
7794	db mining	Hs.105130	AA482030	2209708	end /clone=IMAGE:3070426 zu98g04.s1 cDNA, 3' end	1	CCCTGGATTCTCTAAGATTTGTGA GTGGAAAGAATCCTACAACGAACACT
					/clone=IMAGE:746070 /clone_end=3'		ATTAAAGTCTGCACCTAGATCTGA
7795	db mining	Hs.104176	AA214530	1813155	zr92a06.s1 cDNA, 3' end	1	GGCCTAGGTTCCAGCATTCAGTCATC
7796	db mining	Hs.121118	AA721101	2737236	/clone=IMAGE:683122 /clone_end=3' nz67a01.s1 cDNA, 3' end	1	AAGTCTTGTTACAGAAATAAATGA CCCCATTTGGAGTCTAGTCAAAACAG
	/··································		7020.	2,0,200	/clone=IMAGE:1300488 /clone_end=3'	'	CAGCTTCTTTGAGTTACCATTGGA
7797	db mining	Hs.313313	AW296455	6703091	UI-H-BW0-aiq-c-05-0-UI s1 cDNA, 3' end /clone=IMAGE:2730224	1	AAGGCTTGTAACTGTAGGCCCTTGTA CTACACTGTGCTATACCTGGTAGA
7798	db mining	Hs.335116	Al524072	4438207	th01d07.x1 cDNA, 3' end	1	CACTTTGGGAGGCAGAGGTGAGCAG
7799	db mining	Hs 309130	Al382229	4195010	/clone=IMAGE:2117005 /clone_end=3' td04d04.x1 cDNA, 3' end	1	ATCACTTGAGGCCAGGAGTTTGAGA GGATCACTTGAAGCCAGCAGTTTGAG
7800	db mining	Hs.297504	BF514819	11599998	/clone=IMAGE:2074663 /clone_end=3' UI-H-BW1-anj-b-10-0-UI.s1 cDNA, 3'	1	ACCAGCCTGGGCAATAAAATGAGA TCAGTTGTGATGGGATTTCTTGATGG
7801	db mining	Hs.297473	BF513074	11598253	end /clone=IMAGE:3082338		ATGAGATGTGTCGTGTGACAGAGA
					end /clone=IMAGE:3070445	1	CCTCCTAGAACTGGAACCAAGACTGC TCCATCAGAGTTAAAGGTGTAAGA
7802	db mining	Hs.313168	AW292924	6699560	UI-H-BW0-aig-d-05-0-UI s1 cDNA, 3' end /clone=IMAGE:2729144	1	GCTCACCCTTGCACCTCCTTCCCAAA TCTGCTGTCACATTTTCTCAAAGA
7803	db mining	Hs.319885	BF507583	11590881	UI-H-BW1-ana-b-03-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071572	1	TTCCTGTCTCCATGTTGTGGTCAAGA TTGCCATTTGCTTCCTGAGTTTCA
7804	db mining	Hs.320411	BF512514	11597693	UI-H-BW1-amc-h-10-0-UI.s1 cDNA, 3'	1	CTGGTTCTAGTGCAGTCTCCTCACTT
7805	db mining	Hs.116501	AA651832	2583484	end /clone=IMAGE:3069570 ns40b05.s1 cDNA, 3' end	1	TCCTGGTGTTTGGTTTATCTTTCA TGACATGATTACCTGACTGATGTTTC
7806	db mining	Hs.320438	BF512719	11597898	/clone=IMAGE:1186065 /clone_end=3' UI-H-BW1-amm-c-01-0-UI.s1 cDNA, 3'	1	TCCTCCATTAGACTGAATGCTTCA TGGCAAAAAGCCTAACACTGACTCAT
	··································	110.020100	2.012.10	11001000	end /clone=IMAGE:3070440	•	CCCATTCTATCAGCACAAACTTCA
7807	db mining	Hs.319888	BF507612	11590910	UI-H-BW1-ana-e-12-0-UI.s2 cDNA, 3'	1	GTTTACAAGGGATACTAGTTCCTGGA
7808	db mining	Hs 250726	AW298545	6705181	, , ,	1	GGGACGAAGGAGGCTCTGTTTGCA TCCTCAACTCGGAGATTCCTGTATGG
7809	db mining	Hs 120738	AA749236	2789194	end /clone=IMAGE:2732352 nx99c09.s1 cDNA, 3' end	1	AGAGAATCAATTTCTATATTTGCA ACATTTCTTAGGTGTGTAGTGGTGAA
7810	db mining	Hs 320404	BF512350		/clone=IMAGE:1270384 /clone_end=3' UI-H-BW1-amc-b-01-0-UI.s1 cDNA, 3'	1	GGAAAATAGTGGAAGATGTCTGCA
					end /clone=IMAGE:3069264		TCAGGAGGCTTGAAAAGACTCAAGGT TTCTACACTATGGGAAATAAGGCA
7811	db mining	Hs.319880	BF507510	11590808	UI-H-BW1-amr-c-04-0-UI.s1 cDNA, 3' end /clone=IMAGE.3070831	1	GTTTTCACTTGTGATACTAACTATTGT TTTTCTCCCCCATGCCAAGAGCA
7812	db mining	Hs.320371	BF512091	11597303	UI-H-BW1-ami-f-05-0-UI s1 cDNA, 3' end /clone=IMAGE.3070208	1	AGCCAAGGGAGCATATTATTCTCTTA TTTTAAACCTCTCCGTAGGCAGCA
7813	db mining	Hs.307837	AI052783	3308774	oy78h09.x1 cDNA, 3' end	1	AGAAGGACCCCTGGTTGAGAACCAC
7814	db mining	Hs.124383	AA831706	2904805	/clone=IMAGE:1672001 /clone_end=3' oc85b04.s1 cDNA, 3' end	1	GGTTGTATAGAAAGGAATTGAAGCA TTGACTGCCATAGCCAAGAGTTAATA
7815	db mining	Hs.123304	AA809672	2879078	/clone=IMAGE:1356463 /clone_end=3' nz99b08.s1 cDNA, 3' end	1	TAGTTGCGTTTTCTTAAGGAAGCA CTTACTGTGCTTTTAGGTTTTGTTGCT
7816	dh minina	Un 100000	A A O 1 1 5 0 0	0004450	/clone=IMAGE:1303575 /clone_end=3'		TTCTGTCTGTATGCTATGTTCCA
	db mining	Hs.123368			ob45d08 s1 cDNA, 3' end /clone=IMAGE.1334319 /clone_end=3'	1	TGCAGTTAGGAGTGTGGACACTCTGC CCATCTCCATTGAATTAAATTCCA
7817	db mining	Hs 313176	AW293164	6699800	UI-H-BW0-aii-c-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729448	1	ACTTGGGTTCTATCCCCACGATAACT TGTTATGTATATGCCAATATCCCA
7818	db mining	Hs.313171	AW292976	6699612	UI-H-BW0-aih-b-08-0-UI.s1 cDNA, 3'	1	AGCTAGAAAATGTCCCTTTTTCTTCTT
					end /clone=IMAGE:2729055		TGGAGGTCTTTAACCAAGGCCCA

7819	db mining	Hs 343308	BF508886	11592184	UI-H-BI4-aos-a-03-0-UI.s1 cDNA, 3'	1	ATCACCAATCTTATTTAGCACTGTGG
7820	db mining	Hs.320468	BF513104	11598283	end /clone≕IMAGE:3085732 UI-H-BW1-amn-e-10-0-UI s1 cDNA, 3' end /clone=IMAGE.3070555	1	ATGCCGTTTTGCAAATGTCACCCA TGACTTAAGGTTGGAATATCTCCTAC TACTCCCCTGTCCTCCTTGGACCA
7821	db mining	Hs.120585	AA743221	2782727	ny21c06 s1 cDNA, 3' end /clone=IMAGE.1272394 /clone_end=3'	1	TGTGGTTTGCAATGGTTTACTGATGA GACAGCAAAAATGAGACAGGACCA
7822	db mining	Hs.297468	BF513126	11598305	UI-H-BW1-amn-g-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070649	1	TGGCGAGCCAGTCTCTGGATGGGAT TCTGATCAACAGAAGTTCTCATACA
7823	db mining	Hs.313205	AW293932	6700568	UI-H-BW0-aik-b-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729426	1	TGCCCATCCTTTGCTGTTTTTCTCTTT CAGTCATGGCCTATTTGGAGACA
7824	db mining	Hs.343329	BF515646	11600825	UI-H-BW1-anu-d-06-0-UI.s1 cDNA, 3'	1	CTCAACCTTGGCCCTAAACTAACAGT GACAGGGAGTTCCCCAGCCTCACA
7825	db mining	Hs.319906	BF507755	11591053	end /clone=IMAGE:3083555 UI-H-BW1-anc-g-07-0-UI.s2 cDNA, 3'	1	TCCTGACCGTTGACAGAGAGCTTTTA CAGAAGTCTTAGGCAGTACACACA
7826	db mining	Hs.320465	BF513053	11598232	end /clone=IMAGE:3072180 UI-H-BW1-amn-a-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070355	1	AGTGTGTGGCACCCAGGGATCACTG TATGAGAATTTCCTGAACAACAACA
7827	db mining	Hs.320430	BF512667	11597846		1	GCTGTAAGTCCCTTCCTTACTCATCT TCCCTCTCAAATACAACAACAACA
7828	db mining	Hs.120718	AA748539	2788497	ny05h12.s1 cDNA, 3' end	1	GCCAGTTGGCACCATTTATGAAACAC ACCACCTTGTAACCACTGAATTAA
7829	db mining	Hs.320472	BF513154	11598333	/clone=IMAGE:1270919 /clone_end=3' UI-H-BW1-amj-b-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070011	1	TCAACCTAGCACAGTGCCTGGCTGAT AGGTGTTGAATATTTCCACTCTAA
7830	db mining	Hs.319899	BF507695	11590993	UI-H-BW1-anb-h-05-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071865	1	GCAACCCTCTGCCCCTGCAAAGAGAT ATTGTGACAAAGATATTCACTGAA
7831	db mining	Hs.124932	AA825273	2898575	oc67a02.s1 cDNA, 3' end /clone=IMAGE:1354730 /clone end=3'	1	TAACATTCCTGGCACAGTCCCTGGCA TAGGGTAGATAATAAATGGTGGAA
7832	db mining	Hs.313354	AW297308	6703944	UI-H-BW0-aji-h-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732020	1	TCTCTAACCATCAAGGAAGGTCAAGG GCCATGTATCTCTTTTAGGGAGAA
7833	db mining	Hs 127178	AA938725	3096753	oc10g07.s1 cDNA, 3' end /clone=IMAGE:1340508 /clone end=3'	1	TTCCACAAACTCAGGTGTGCAAGAAA
7834	db mining	Hs.320445	BF512786	11597965	UI-H-BW1-amm-h-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070702	1	CAATGCATTACTTTATTTTCAGAA CAGGAGTTTGAGACCAGCCTGGGCA
7835	db mining	Hs.319902	BF507708	11591006	UI-H-BW1-anc-b-02-0-UI.s2 cDNA, 3'	1	ACATAGTAAGTCTCCATCTCTTCAA TCCCTAGTCCTGGAGACTCAAAAAAAAAA
7836	db mining	Hs.104348	AA251338	1886301	•	1	TOTOTTCATTGGAGACCCCTCCCTG
7837	db mining	Hs.320442	BF512761	11597940	/clone=IMAGE.684562 /clone_end=3' UI-H-BW1-amm-f-08-0-UI.s1 cDNA, 3'	1	TCACAGCACAATGTGGGTAATAAA CAGAACAAGGCCCACAGTGTGAAAG
7838	db mining	Hs.320470	BF513152	11598331	end /clone=IMAGE:3070598 UI-H-BW1-amj-a-12-0-UI.s1 cDNA, 3'	1	GAGTCAGCAACAAGATAAATAAA GAGTCAGCAACACTGGTCCTCTTGCC
7839	db mining	Hs.300359	BF516423	11601602	end /clone=IMAGE:3069983 UI-H-BW1-aob-h-05-0-UI.s1 cDNA, 3'	1	TTGGTTGATGCTTTTGAACTGAAA TAAGGATGTATCCCTATGGGCAGGAA
7840	db mining	Hs.309152	Al392970	4222517	end /clone=IMAGE:3084512 tg22d05.x1 cDNA, 3' end	1	ACCCAATTCTAAGAAACTTACAAA GCCACTGCACTCCAGCCTGGGCAAC
7841	db mining	Hs.122448	AA761767	2810697	/clone=IMAGE:2109513 /clone_end=3' nz31e08.s1 cDNA, 3' end	1	AGAGCGAGACCTTGACTCTTTAAAA CACAACACCCAAAAGGCTGCATTGCA
7842	db mining	Hs.319874	BF507452	11590750	/clone=IMAGE:1289414 /clone_end=3' UI-H-BW1-amz-e-06-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071699	1	TAACATGTATTTGTTGAATGAAAA GGGGTCCTTGCTCACAGAGCTCCCA
7843	db mining	Hs.104177	AA214542	1813167	zr92b09.s1 cDNA, 3' end	1	AGATGGTGGTGGGCCACTTCCAAAA TCCCTCTATAGGTAAAAGACCTGTTT
7844	db mining	Hs.104182	AA521405	2261948	/clone=IMAGE:683129 /clone_end=3' aa68c06.s1 cDNA, 3' end	1	GTCTGAAATGTGTGGAACCTGTCT GCTGCCGTGTCTTTTGGCATTTTCAG CATGACTATATGTTTTTGTAATGT
7845	db mining	Hs.255522	AW296182	6702818	/clone=IMAGE:826090 /clone_end=3' UI-H-BI2-aia-c-01-0-UI.s1 cDNA, 3' end	1	CCGAAGGCCCGTGTGGCGCTTCTCC TATTCTGTAGAGTGGTAGTTTGTTT
7846	db mining	Hs.124926	AA765668	2816906	/clone=IMAGE:2728680 /clone_end=3' oa04f02.s1 cDNA, 3' end /clone=IMAGE:1303995 /clone end=3'	1	AAAGAGGTAAACGCAAGTTCTCTCTT GTAGGTCGGGCTACAGGTGACTTT
7847	db mining	Hs.320388	BF512314	11597493	UI-H-BW1-amb-f-11-0-UI s1 cDNA, 3' end /clone=IMAGE:3069453	1	TGGTTCTCAGCCTGGGTGACAGAG AAGGGGTCTAATTTGGTCTTTTGTT
7848	db mining	Hs.123161	AA807319	2876895	oc38b01.s1 cDNA, 3' end /clone=IMAGE:1351945 /clone_end=3'	1	TGTTCTTGGCACCCTGCACTGTCAGG CTATATCATTTCTGTTTGTTTCTT
7849	db mining	Hs.120608	AA743877	2783228		1	TCTCATTTTCCTTGCTGGTGATG CAAAGTGTCAGTGGTCCCATCTT
7850	db mining	Hs.120554	AA741010	2779602	ny99a10.s1 cDNA, 3' end /clone=IMAGE:1286394 /clone end=3'	1	TGTCCAACCTTCCTTTTGCTACAAAC AAAGAATGCCTAGGGATTCAACTT
7851	db mining	Hs.330148	BE676227	10036768	xm80f05.x1 cDNA, 3' end /clone=IMAGE:2690529 /clone_end=3'	1	CAAGTGGCCTTGGTGTTTAAATCTTG CCCTAAATTGTAACTCACATGATT
7852	db mining	Hs.120259	AA731522	2753678	nw59h09.s1 cDNA, 3' end /clone=IMAGE:1250945 /clone_end=3'	1	ACCAACCAGTGGTGTGCTGGAGCTG TCTCATACTATCTTGAGAGTCCATT
7853	db mining	Hs.124333	AA829233	2902332	od05a10.s1 cDNA, 3' end /clone=IMAGE:1358298 /clone_end=3'	1	AGCACTTGCTTTGTTCCAGACATTGT CCTTAGCTCCTTTCTTGTGTAATT
7854	db mining	Hs.124281	AA825840	2899152	od59d02.s1 cDNA, 3' end /clone=IMAGE:1372227 /clone_end=3'	1	TGCAGCAAAAATTGAATTTCATAGGC CATTCAGTGTTCTCTGCGATAATT
7855	db mining	Hs.120716	AA748500	2788458	_	1	CCAGGAATGGAAATACGCCAACCCA GGTTAGGCACCTCTATTGCAGAATT
7856	db mining	Hs.320428	BF512663	11597842	UI-H-BW1-amg-f-02-0-UI s1 cDNA, 3' end /clone=IMAGE:3069842	1	AGGAAATTGGTTGAAGTCGTTTTTCT CTTGTTAGTCTCATGTTAAGCTGT

7857	db mining	Hs.123593	AA814828	2884424	ob73d07.s1 cDNA, 3' end	1	TCGCCTGGGGAGAATTTAAAATCTAA
					/clone=IMAGE.1337005 /clone_end=3'		GTCGCTGGAAGTCCCTTTGTATGT
7858	db mining	Hs 120214	AA730985	2752189	nw67a04.s1 cDNA, 3' end	1	ACCTGTAGGAAGGGTTTGTGAATATT CTGTTGCTCTGAATTATTAGCGGT
7859	db mining	Hs 123365	ΔΔ811/69	2881080	/clone=IMAGE 1251630 /clone_end=3' ob83c11.s1 cDNA, 3' end	1	TGAGAGGATCTTGAGACATTCTTGTG
7009	do mining	113 120000	777011403	2001000	/clone=IMAGE:1337972 /clone_end=3'	•	TTATTTGCCCTCTATGTTTTAGGT
7860	db mining	Hs.127156	AA938155	3096266	oc10a09 s1 cDNA, 3' end	1	TCCCAAGCATGAGACAAGTACCACCA
	J				/clone=IMAGE.1340440 /clone_end=3'		GTGGTTCAGGAGATGATTTTAGGT
7861	db mining	Hs.320486	BF513276	11598455	UI-H-BW1-amo-e-01-0-UI s1 cDNA, 3'	1	ACAAGACAGCAGCCTTCCCGAAATGT
7000		11- 040000	DEE4 4740	44500007	end /clone=IMAGE:3070560	4	CACTACTAAGAATTATTCAGAGGT
7862	db mining	Hs.343330	BF514718	11599897	UI-H-BW1-ans-a-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3083063	1	CTCCAAACATCACTTCCTTCCTCT
7863	db mining	Hs.123584	AA814349	2883945	nz06h06 s1 cDNA, 3' end	1	ACATTTGCCAATGCACTTGATGTAAA
, 555	ab mining	110.120001	701011010	2000010	/clone=IMAGE:1287035 /clone end=3'	•	GTTGTTGAGGATGTTGACTCTCCT
7864	db mining	Hs.123376	AA811751	2881362	ob80e12.s1 cDNA, 3' end	1	TCCCCCTTCCTAACACCAATTTGGGA
					/clone=IMAGE:1337710 /clone_end=3'		ACATCACTACTTGTATATTATCCT
7865	db mining	Hs.122860	AA766374	2817612	oa36b03.s1 cDNA, 3' end	1	TCAAGACCCTTAGAGTAAGTTAACTC
7000	alle ancimient	Un 405000	A A 400040	2040005	/clone=IMAGE:1307021 /clone_end=3'	1	CCAAGGAAATGTAGTTAGTTCCCT AACCCACAATCCAACTCCCTTGATGA
7866	db mining	Hs.105268	AA490812	2219900	aa49e05.s1 cDNA, 3' end /clone=IMAGE:824288 /clone_end=3'	'	GGATGATCATTAACAACAATCACT
7867	db mining	Hs.297465	BF512677	11597856	UI-H-BW1-amg-g-04-0-UI.s1 cDNA, 3'	1	TTTGAAGCCTCTGGTACTTCCCCTTC
					end /clone=IMAGE:3069894		CCAAACCCAGTCACAGGAAACACT
7868	db mining	Hs.127167	AA938326	3096437	oc11c08.s1 cDNA, 3' end	1	TTGGAGGTTAACAGTATTCCTTTGAG
					/clone=IMAGE 1340558 /clone_end=3'		TGGTGTGATTAAAGGTGCTTTTAT
7869	db mining	Hs.123361	AA811359	2880970	ob82a07.s1 cDNA, 3' end	1	CCAACCTCCAGAACTGCCTATCTAAC TCATCTGTGGTGATGGAATGCTAT
7870	db mining	Hs.105282	ΔΔ491247	2220420	/clone=IMAGE.1337844 /clone_end=3' aa49b01.s1 cDNA, 3' end	1	AGTGGCTCTCTGCTGTTAGCATGGTT
10,0	up mining	113.100202	70.401241	2220420	/clone=IMAGE.824233 /clone end=3'	•	ACTAATCTTTTGGTTACTTTTCAT
7871	db mining	Hs.320385	BF512292	11597471	UI-H-BW1-amb-d-12-0-UI.s1 cDNA, 3'	1	TGACCTCAGTGTCTACTTCAGCAGAA
	•				end /clone=IMAGE:3069359		CCTGTGGGTATATGCCTACCTCAT
7872	db mining	Hs.105506	AA521196	2261739	aa74c04.s1 cDNA, 3' end	1	AAGGAGAACTGTCAACTGAATCTCAA
7070	alle materiare	Un 404000	A A 705750	2040007	/clone=IMAGE:826662 /clone_end=3'	1	ATGCAGTCAAATGAAGAGAGGCAT TTCAAGTCATTATAGGTTTGGGCATA
7873	db mining	Hs.124928	AA/05/39	2010997	oa07h05 s1 cDNA, 3' end /clone=IMAGE:1304313 /clone_end=3'	•	CAGGGTTAACCTTGTGATGTACAT
7874	db mining	Hs.320488	BF513286	11598465	UI-H-BW1-amo-e-11-0-UI.s1 cDNA, 3'	1	AGCAGAACACATGTGTTTGACACTT
					end /clone=IMAGE:3070580		TTCCTTCTCTGTAATGAGGTACAT
7875	db mining	Hs.122891	AA767801	2818816	oa45h09.s1 cDNA, 3' end	1	TGCCTGTGTGGGTCAAAGGAATCATC
7070	alle autota a	11- 440405	A A O 4000F	0574744	/clone=IMAGE:1307969 /clone_end=3'		TATGCTAATGTATTTGAGCCAAAT
7876	db mining	HS.116435	AA648285	25/4/14	ns20d12.s1 cDNA, 3' end /clone=IMAGE:1184183 /clone_end=3'	1	ACCGAAAGCAGCATTTTCAATGTTTA ATTAAATCGATGCAGGAAATTGTG
7877	db mining	Hs.300303	AW292760	6699396	UI-H-BW0-aij-c-03-0-UI.s1 cDNA, 3'	1	GTCCCTGGCCCTTCACTCTTCGTCCA
					end /clone=IMAGE:2729453		GGCTCTCTGACCTCTTTCCCTCTG
7878	db mining	Hs.123154	AA688058	2674964	nv58c04.s1 cDNA, 3' end	1	TGTCCGCTGTTTTACCTCACTGCTCC
					/clone=IMAGE:1233990 /clone_end=3'	_	TGTTTATGCCCTTAACTTCTGCTG
7879	db mining	Hs.320489	BF513296	11598475	UI-H-BW1-amo-f-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070628	1	GCACAAGACCTCACTTGGAACAAGTA CCAGGCAGAAGAGAGCATTACCTG
7880	db mining	Hs 124353	AA830448	2903547	oc51d05.s1 cDNA, 3' end	1	TTTCATATCTTGGCAGTTGGATGCGG
. 000	asig	110.12.1000	, 0 1000 110	2000017	/clone=IMAGE 1353225 /clone_end=3'	•	TAAGAGCCACAGAGAAACCACCTG
7881	db mining	Hs 122824	AA765319	2816557	oa01f11.s1 cDNA, 3' end	1	AGGACCCTTTTCCCATATTTCTGGCT
					/clone=iMAGE:1303725 /clone_end=3'		ATATACAAGGATATCCAGACACTG
7882	db mining	Hs 124317	AA827178	29011/5	ob53g04.s1 cDNA, 3' end /clone=IMAGE:1335126 /clone_end=3'	1	ACCAGGCCTAGAATTTAGGTTCTAGG TGTAAACTATTGGCCTATCAGATG
7883	db mining	Hs.300373	AW297820	6704445	UI-H-BW0-aiy-h-04-0-UI.s1 cDNA, 3'	1	GTGCATTTTAGCAACAGACTTCCAGG
			,		end /clone=IMAGE:2731230	•	TTTCCAGCGCGGGCCAGGAAGGGG
7884	db mining	Hs.320464	BF513050	11598229	UI-H-BW1-amn-a-03-0-UI s1 cDNA, 3'	1	CTGTCATGCACCACCTCATCCCCTCC
					end /clone=IMAGE:3070349	_	TTCAGGGCCAGGGACAGTCCCTAG
7885	db mining	Hs.313366	AW297537	6704173	UI-H-BW0-aja-f-05-0-UI.s1 cDNA, 3'	1	AGAGGAGGAGGGGGTAGAATGAATT TCATTTAAAGCTCAACCTAGTTCAG
7886	db mining	Hs.320427	BF512648	11597827	end /clone=IMAGE:2731160 UI-H-BW1-amg-d-10-0-UI s1 cDNA, 3'	1	CAGTCTCCCAGCTTCTTGGCCTCCT
7000	ab mining	110.020-127	B1 012010	11007027	end /clone=IMAGE:3069762	•	CTGCCAACTGGATGCAAGGCTCAG
7887	db mining	Hs.252840	AW015143	5863980	UI-H-BI0p-abb-e-07-0-UI.s1 cDNA, 3'	1	TGGAGAGAAGGTTCGGGAAGACGAG
					end /clone=IMAGE:2711149		GGGGCTGGGAGGTTTGGAAAGACAG
7000	حدثت عالم	11- 040404	A1A/000004	6600407	/clone_end=3'	4	CTGAAATGGGGGAAGGTGGGTTATG
7888	db mining	HS.313161	AW292801	6699437	UI-H-BW0-aij-f-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729613	1	ACAAAGTTCATGGAGAGGCCTGAAG
7889	db mining	Hs.309124	Al380478	4190331	tf95a09 x1 cDNA, 3' end	1	TAAAGCGGTACGGGATTCCGCACCC
					/clone=IMAGE:2107000 /clone_end=3'		TACTCCAGCAAGAAGAGCCTGAAG
7890	db mining	Hs.120562	AA741096	2779688	ny99g07 s1 cDNA, 3' end	1	AGCATTCATTCCTCCAAACACACTCC
7004	dh palais :	Lie Antino	A A E O 4 4 E O	0004000	/clone=IMAGE:1286460 /clone_end=3'	4	CAGGGTTAGGTCTCTTACCTCTGC
7891	db mining	ns.105530	AA521450	2261993	aa69d11.s1 cDNA, 3' end /clone=IMAGE 826197 /clone_end=3'	1	GGTGTTGAATATTTATACGGATTGGC ATCATAAGATACCGCGATACCTGC
7892	db mining	Hs 123194	AA805997	2874747		1	ACCTTAGTCTAACTGCCTTCTGTAAA
		,			/clone=IMAGE 1341272 /clone_end=3'		GTGGGTTGCTATAGTCTTTAAGCC
7893	db mining	Hs.122833	AA765597	2816835		1	TGAGGTTTGGATGGTGGCAGGTAAAA
					/clone=IMAGE:1304346 /clone_end=3'		CAGAAAGGCAAGATGTCATCTGAC

7894	db mining	Hs 313827	AW452984	6993760	UI-H-BW1-amd-g-11-0-UI s1 cDNA, 3'	1	TGGAGCTGCTACATAATTATTTCAGG
7895	db mining	Hs 122383	AA789140	2849260	end /clone=IMAGE:3069525 aa66g10 s1 cDNA, 3' end	1	TCTCAAAGCTTCCAAGAAGTGGAC AGACGGAACCTGAGATGTTGGATGTT
7896	db mining	Hs.120226	AA731687	2752576	/clone=IMAGE:825954 /clone_end=3' nw58f05 s1 cDNA, 3' end	1	GTTGATCTTAGCAAACAGACTTTA AGATCTGTAATCTTTGGCAAATGGAA
7897	db mining	Hs.120288	AA731998	2753949	/clone=IMAGE.1250817 /clone_end=3' nw61b04 s1 cDNA, 3' end	1	CTCACCTGCAACGATACCTACTTA GAGGACTTCCATTCCCCATTTCCCGC
7898	db mining	Hs 123168	AA804519	2873650	/clone=IMAGE:1251055 /clone_end=3' ns28a11.s1 cDNA, 3' end	1	ATACCTGCTGTTCTGTCTGAATTA AGCTCACACCTGTTCCTTCATGGGTC
7899	db mining	Hs.124369	AA830835	2903934	/clone=IMAGE:1184924 /clone_end=3' oc54b06 s1 cDNA, 3' end	1	AGTTCCTTTCATTTTCACTTTTGA AGCTGCTGCTTCTCTTTCAGTTGCAA
7900	db mining	Hs 122482	AA767335	2818350	/clone=IMAGE 1353491 /clone_end=3' nz65h02.s1 cDNA, 3' end	1	ATGCAAACCTGTTATAATCTTTGA TCAATATCTGTGTGTCTTTTCATGAGT
7901	db mining	Hs.313287	AW296059	6702695	/clone=IMAGE.1300371 /clone_end=3' UI-H-BW0-aiu-g-03-0-UI.s1 cDNA, 3'	1	GGCTGTTACTTGTGAAGAATTGA TGAGTGGACTGAGGAATGAATAGAAA
7902	db mining	Hs.120705	AA748015	2787973	end /clone=IMAGE 2730796 nx87c05.s1 cDNA, 3' end	1	ACGTGGATATATGTAGAAAGCTGA ACCAGCCCCTGGGAATGTTATGAGCA
7903	db mining	Hs 320495	BF513385	11598564	/clone=IMAGE:1269224 /clone_end=3' UI-H-BW1-amk-f-10-0-UI.s1 cDNA, 3'	1	AATGATACTCCATGAGTAAAATGA TCGTGTGAGTGTGAGAGACATGTTCA
7904	db mining	Hs.121104	AA721020		end /clone=IMAGE 3070242 nx89f11.s1 cDNA, 3' end	1	TTGTGAAAAGATACTCCTAGTGGA TTTGTCAAATGCCTGTTCACCATCTG
7905	db mining	Hs.124297			/clone=IMAGE:1269453 /clone_end=3' od08c04.s1 cDNA, 3' end	1	TGGAAGTCATTATATGATTCAGGA ACACTTTTCTTCTAAGGAGAGCTTTCT
					/clone=IMAGE:1367334 /clone_end=3'	1	TAGGCATTTCAAAGAACTTTCGA ACCAAATGAGTACCATCTGTTGAACA
7906	db mining	Hs.320372	BF512096		UI-H-BW1-ami-f-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070218		CAGGGTGGCGATCCAAGTGTTTCA ACCTGACTTCCACGATAAAATGGAGA
7907	HUVEC cDNA		AB007956		mRNA, chromosome 1 specific transcript KIAA0487 /cds=UNKNOWN	1	TGAGTGCAGGGGTGAGTGTATAGT
7908	HUVEC cDNA	Hs.24950	AB008109		regulator of G-protein signalling 5 (RGS5), mRNA /cds=(81,626)	1	TGCAGATTTATACTCCTGACGTGTCT CATTCACAGCTAAATAATAGGCCA
7909	HUVEC cDNA	Hs.306193	AB011087		hypothetical protein (LQFBS-1), mRNA /cds=(0,743)	1	ACCCTCGCCCTTTCCCTCCGGTTCAG TACCTATTGTTTCTCCTTTCAAAT
7910	HUVEC cDNA	Hs.154919	AB014525	3327063	mRNA for KIAA0625 protein, partial cds /cds=(0,2377)	1	AAGAGGAAATGGCAGAATTAAAAGCA GAAACAAGAAGATGGACATGGATT
7911	HUVEC cDNA	Hs.153026	AB014540	3327093	mRNA for KIAA0640 protein, partial cds /cds=(0,1812)	1	AAGAGTGTTTGAGTGCTTGTCATCAG GTGTTTTCCTTAATAAGTAGGGAT
7912	HUVEC cDNA	Hs.24439	AB014546	3327105	ring finger protein (C3HC4 type) 8 (RNF8), mRNA /cds=(112,1569)	1	CTGCTGTCCACTTTCCTTCAGGCTCT GTGAATACTTCAACCTGCTGTGAT
7913	HUVEC cDNA	Hs.155829	AB014576	3327165	mRNA for KIAA0676 protein, partial cds /cds=(0,3789)	1	TTCCTTGGATTCATTTCACTTGGCTA GAAATTACACTGTGCTCAATGCCT
7914	HUVEC cDNA	Hs.93675	AB022718	4204189	decidual protein induced by progesterone (DEPP), mRNA	1	AGGTCTCTGCCACCTCCTTCTCTGTG AGCTGTCAGTCTAGGTTATTCTCT
7915	HUVEC cDNA	Hs.104305	AB023143	4589483		1	GAATAGGAGGACATGGAACCATTTG CCTCTGGCTGTGTCACAGGGTGAG
7916	HUVEC cDNA	Hs.103329	AB023187	14133226	transcript variant B, mRNA KIAA0970 protein (KIAA0970), mRNA /cds=(334,2667)	1	CCTGTTTAAGAAAGTGAAATGTTATG GTCTCCCCTCTTCCAATGAGCTTA
7917	HUVEC cDNA	Hs.155182	AB028959	5689408	KIAA1036 protein (KIAA1036), mRNA /cds=(385,1482)	1	TTTCACTTTCACACTTCATCTCATTCC TGTTGTCACTTTCCCCGAAACGA
7918	HUVEC cDNA	Hs.129218	AB028997	5689484	DNA sequence from clone RP11-	1	TCTGGATCAATAGCTTCCCCTCTAGG GTCTACTGATGAGTCAAATCTAAA
					145E8 on chromosome 10. Contains the gene KIAA1074, the 3' end of the YME1L1 gene for YME1 (S.cerevisiae)-		GICIACIGAIGAGICAAAICIAAA
					like 1, ESTs, STSs, GSSs and a CpG island /cds=(166,5298)		
7919	HUVEC cDNA	Hs.8383	AB032255	6683499	bromodomain adjacent to zinc finger domain, 2B (BAZ2B), mRNA	1	TTTATCTACTGTGTGTTGTGGTGGCC TGTTGGAGGCAAATAGATCAGATT
7920	HUVEC cDNA	Hs.15165	AB037755	7243048	/cds=(366,6284) novel retinal pigment epithelial gene	1	GACATTTTTGTAGGATGCCTGACGAG GTGTAGCCTTTTATCTTGTTTCCG
7921	HUVEC cDNA	Hs.82113	AB049113	10257384	(NORPEG), mRNA /cds=(111,3053) dUTP pyrophosphatase (DUT), mRNA	1	CCCAGTTTGTGGAAGCACAGGCAAG AGTGTTCTTTTCTGGTGATTCTCCA
7922	HUVEC cDNA	Hs.8180	AF000652	2795862	/cds=(29,523) syndecan binding protein (syntenin)	1	TGTTCCTTTTCCTGACTCCTCCTTGC
7923	HUVEC cDNA	Hs.147916	AF000982	2580549	(SDCBP), mRNA /cds=(148,1044) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3 (DDX3), transcript variant	1	AAACAAAATGATAGTTGACACTTT GTGACTTGTACATTCAGCAATAGCAT TTGAGCAAGTTTTATCAGCAAGCA
7924	HUVEC cDNA	Hs.75056	AF002163	2290769	2, mRNA /cds=(856,2844) adaptor-related protein complex 3,	1	TTGCTATCGACATTCCCGTATAAAGA
7925	HUVEC cDNA	Hs.42915	AF006082	2282029	delta 1 subunit (AP3D1), mRNA ARP2 (actin-related protein 2, yeast)	1	GAGAGACATATCACGCTGCTGTCA CCTGCCAGTGTCAGAAAATCCTATTT
7926	HUVEC cDNA	Hs.11538	AF006084	2282033	homolog (ACTR2), mRNA actin related protein 2/3 complex, subunit 1A (41 kD) (ARPC1B), mRNA	1	ATGAATCCTGTCGGTATTCCTTGG AGGGAGGGGACAGATGGGGAGCTTT TCTTACCTATTCAAGGAATACGTGC
7927	HUVEC cDNA	He 6805	AF006086	2282037	/cds=(80,1198)	1	TCAAGAATTTGGGTGGGAGAAAAGAA
1921	TIO VEO CDINA	119.0090	AI 000000	2202031	subunit 3 (21 kD) (ARPC3), mRNA	'	AGTGGGTTATCAAGGGTGATTTGA

					Table 0		
7928	HUVEC cDNA	Hs 286027	AF010313	6468761	etoposide-induced mRNA (PIG8), mRNA /cds=(72,1151)	1	TGTGATTAGGTTGTTTTCCTGTCATTT TTGAGAGACTAAAATTGTGGGGG
7929	HUVEC cDNA	Hs.79150	AF026291	2559007	chaperonin containing TCP1, subunit 4 (delta) (CCT4), mRNA /cds=(0,1619)	1	TGGGCTTGGTCTTCCAGTTGGCATTT GCCTGAAGTTGTATTGAAACAATT
7930	HUVEC cDNA	Hs 81452	AF030555	3158350	fatty-acid-Coenzyme A ligase, long- chain 4 (FACL4), transcript variant 2,	1	AACAAGATGAGAACAGATAAAGATTG TGTGGTGTTTTGGATTTGGAGAGA
7931	HUVEC cDNA	Hs 139851	AF035752	2665791	mRNA /cds=(506,2641) caveolin 2 (CAV2), mRNA /cds=(20,508)	1	TGTAGCTCCCACAAGGTAAACTTCAT TGGTAAGATTGCACTGTTCTGATT
7932	HUVEC cDNA	Hs.194709	AF037364	14030860	paraneoplastic antigen MA1 (PNMA1), mRNA /cds=(664,1725)	1	TCACTCCCCCATTTCACTTCTTTGTCA GAGAATAGTTCTTGTTCATACTG
7933	HUVEC cDNA	Hs 79516	AF039656	2773159	brain acid-soluble protein 1 (BASP1), mRNA /cds=(52,735)	1	TGGGAGTGACAAACATTCTCTCATCC TACTTAGCCTACCTAGATTTCTCA
7934	HUVEC cDNA	Hs 29417	AF039942	4730928	HCF-binding transcription factor Zhangfei (ZF), mRNA /cds=(457,1275)	1	AATGGAAGGATTAGTATGGCCTATTT TTAAAGCTGCTTTGTTAGGTTCCT
7935	HUVEC cDNA	Hs.26232	AF044414	6136293	mannosidase, alpha, class 2C, member 1 (MAN2C1), mRNA	1	CCCCAGCCTAAAGCAGGGATCAGTC TTTTCTTGTGGAATAAATCCTTGGA
7936	HUVEC cDNA	Hs.3776	AF062072	3668065	zinc finger protein 216 (ZNF216), mRNA /cds=(288,929)	1	TGTGGTAATGCCTGTTTTCATCTGTA AATAGTTAAGTATGTACACGAGGC
7937	HUVEC cDNA	Hs.74034	AF070648	3283922	clone 24651 mRNA sequence /cds=UNKNOWN	1	AGATGCTTAGTCCCTCATGCAAATCA ATTACTGGTCCAAAAGATTGCTGA
7938	HUVEC cDNA	Hs.274230	AF074331		PAPS synthetase-2 (PAPSS2) mRNA, complete cds /cds=(63,1907)	1	AAAACTGCTCTTCTGCTCTAGTACCA TGCTTAGTGCAAATGATTATTTCT
7939	HUVEC cDNA	Hs.12540	AF081281	3415122	lysophospholipase I (LYPLA1), mRNA /cds=(35,727)	1	AGCTATTAGGATCTTCAACCCAGGTA ACAGGAATAATTCTGTGGTTTCAT
7940	HUVEC cDNA	Hs.159629	AF092131	5138911	/cds=(0,6068)	1	TCCTGCGTCTATCCATGTGGAATGCT GGACAATAAAGCGAGTGCTGCCCA
7941	HUVEC cDNA	Hs.273385	AF105253	7532779	guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1 (GNAS1), mRNA /cds=(68,1252)	1	GCCACAAAAGTTCCCTCTCACTTTCA GTAAAAATAAATAAAACAGCAGCA
7942	HUVEC cDNA	Hs.2934	AF107045	5006419	ribonucleotide reductase M1 polypeptide (RRM1), mRNA	1	ACTGCTTTGACTGGTGGGTCTCTAGA AGCAAAACTGAGTGATAACTCATG
7943	HUVEC cDNA	Hs.158237	AF112345	6650627		1	GGCATTGTCTCTGTTTCCCAGTGGGG TGGACAGTATATCAGATGGTCAGA
7944	HUVEC cDNA	Hs.183698	AF116627	7959755	ribosomal protein L29 (RPL29), mRNA /cds=(29,508)	1	CCCTGGGCTACCATCTGCATGGGGC TGGGGTCCTCCTGTGCTATTTGTAC
7945	HUVEC cDNA	Hs 2186	AF119850	7770136		1	TCAAGTGAACATCTCTTGCCATCACC TAGCTGCCTGCACCTGCCCTTCAG
7946	HUVEC cDNA	Hs.22900	AF134891	7381111	nuclear factor (erythroid-derived 2)-like 3 (NFE2L3), mRNA /cds=(492,1694)	1	TCTTGGCAGCCATCCTTTTTAAGAGT AAGTTGGTTACTTCAAAAAGAGCA
7947	HUVEC cDNA	Hs.108258	AF141968	6273777	* * * * * * * * * * * * * * * * * * *	1	AGCTAAAGAGAGGGAACCTCATCTAA GTAACATTTGCACATGATACAGCA
7948	HUVEC cDNA	Hs 11156	AF151072	7106865	hypothetical protein (LOC51255), mRNA /cds=(0,461)	1	GCTGAGTGCTGGCCCTCTGCGTCTT CCTTATTAACCTTGAATCCTCATTA
7949	HUVEC cDNA	Hs.179573	AF193556	6907041	* * * * * * * * * * * * * * * * * * * *	1	TGAATGATCAGAACTGACATTTAATTC ATGTTTGTCTCGCCATGCTTCTT
7950	HUVEC cDNA	Hs.41135	AF205940	8547214		1	TCCGGGCCAAGAATTTTTATCCATGA AGACTTTCCTACTTTTCTCGGTGT
7951	HUVEC cDNA	Hs.142908	AF219119	7158848	E2F-like protein (LOC51270), mRNA /cds=(278,979)	1	GCAGAGTTCATTGTTGCCCCTTAACA GTTTTTCCTGAGTTTACTGAAGAA
7952	HUVEC cDNA	Hs 154721	AF261088	9802307	aconitase 1, soluble (ACO1), mRNA /cds=(107,2776)	1	TTATCAAGCAGAGACCTTTGTTGGGA GGCGGTTTGGGAGAACACATTTCT
7953	HUVEC cDNA	Hs.76288	AF261089	9802309	calpain 2, (m/II) large subunit (CAPN2), mRNA /cds=(142,2244)	1	GGGTATGCTGCCTCTGTAAATTCATG TATTCAAAGGAAAAGACACCTTGC
7954	HUVEC cDNA	Hs 152707	AJ001259	2769253	(GBAS), mRNA /cds=(8,868)	1	TTGTCTGCCCCACAATCAAGAATGTA TGTGTAAAGTGTGAATAAATCTCA
7955	HUVEC cDNA	Hs.5097	AJ002308	2959871	/cds=(29,703)	1	ATGCCCGGCCTGGGATGCTGTTTGG AGACGGAATAAATGTTTTCTCATTC
7956	HUVEC cDNA	Hs 143323		6572290	(rbbp2h1a gene) /cds=(757,5802)	1	AGCAGTTTGTGATATAGCAGAGGTTT AAATGTACCCTCCCCTTTTATGCA
7957	HUVEC cDNA	Hs.1197	NM_002157		P Heat shock 10kD protein 1 (chaperonin 10)	1	TGATGCTGCCCATTCCACTGAAGTTC TGAAATCTTTCGTCATGTAAATAA
7958	HUVEC cDNA	Hs.79037	BC010112	14603308	Homo sapiens, heat shock 60kD protein 1 (chaperonin), clone MGC:19755 IMAGE:3630225, mRNA, complete cds /cds=(1705,3396)	1	AGCAGCCTTTCTGTGGAGAGTGAGAA TAATTGTGTACAAAGTAGAGAAGT
7959	HUVEC cDNA	Hs.279860	AJ400717	7573518		1	CATCTGAAGTGTGGAGCCTTACCCAT TTCATCACCTACAACGGAAGTAGT

Table 8

7960	HUVEC cDNA	Hs 165563	AK024508	10440535	DNA sequence from clone RP4-591C20 on chromosome 20 Contains ESTs, STSs, GSSs and CpG islands. Contains a novel gene for a protein similar to NG26, the TPD52L2 gene for two isoforms of tumor protein D52-like protein 2, a gene for a novel DnaJ domain protein similar to mouse and bovine cysteine string protein with two isoforms, a gene for a novel phosphoribulokinase with three isoforms, the KIAA1196 gene and the 5' part of the TOM gene for a putative mitochondrial outer membrane protein	1	GCCAGGCTGGTTCCGCATGGTGATC TCCGTCTTGTATGTCTGAATGTTGG
					import receptor similar to yeast pre-		
7961	HUVEC cDNA	Hs 91146	AL050147	4884153	protein kinase D2 mRNA, complete cds /cds=(39,2675)	1	CTATTTCCAAGGCCCCTCCCTGTTTC CCCAGCAATTAAAACGGACTCATC
7962	HUVEC cDNA	Hs.66762	AL050367	4914600	mRNA; cDNA DKFZp564A026 (from clone DKFZp564A026)	1	AAAGTGCCAGAATGACTCTTCTGTGC ATTCTTCTTAAAGAGCTGCTTGGT
7963	HUVEC cDNA	Hs.165998	AL080119	5262550	PAI-1 mRNA-binding protein (PAI- RBP1), mRNA /cds=(85,1248)	1	TTGTTGGTAGGCACATCGTGTCAAGT GAAGTAGTTTTATAGGTATGGGTT
7964	HUVEC cDNA	Hs.111801	AL096723	5419856	mRNA; cDNA DKFZp564H2023 (from	1	AGTCCTGTATCATCCATACTTGTACTA
7965	HUVEC cDNA	Hs.89434	AL110225	5817161	clone DKFZp564H2023) drebrin 1 (DBN1), mRNA	1	CCTTGTCCTATGAAGCTCTGAGA TTGGCCGCTTCCCTACCCACAGGGC
7966	HUVEC cDNA	Hs 7527	AL110239	5817182	/cds=(97,2046) small fragment nuclease	1	CTGACTTTTACAGCTTTTCTCTTTT TATGACACAGCAGCTCCTTTGTAAGT
1900					(DKFZP566E144), mRNA		ACCAGGTCATGTCCATCCCTTGGT
7967	HUVEC cDNA	Hs.187991	AL110269	5817043	DKFZP564A122 protein (DKFZP564A122), mRNA	1	TTGGTGAGTTGCCAAAGAAGCAATAC AGCATATCTGCTTTTGCCTTCTGT
7968	HUVEC cDNA	Hs.25882	AL117665	5912262	mRNA; cDNA DKFZp586M1824 (from clone DKFZp586M1824); partial cds	1	TGCATAGATGACCTTTTGGATTATTGG ACTCTGACTATTGGGACCCTAAAT
7969	HUVEC cDNA	Hs.17428	AL133010	6453416	/cds=(0,3671) RBP1-like protein (BCAA), transcript	1	TGGACGCCCTAAGAAACAGAGAAAAC AGAAATAACAACCAGGAACTGCTT
7970	HUVEC cDNA	Hs.278242	AL137300	6807762	variant 2, mRNA /cds=(466,4143) Homo sapiens, clone MGC:3214 IMAGE:3502620, mRNA, complete cds	1	CAATAGCTTGTGGGTCTGTGAAGACT GCGGTGTTTGAGTTTCTCACACCC
7971	HUVEC cDNA	Hs 7378	AL137663	6807784	/cds=(2066,3421) mRNA; cDNA DKFZp434G227 (from	1	TGCACTGTACTCTTCATAGGATTG
					clone DKFZp434G227)	1	TAAAGGTGTTCTAATCCAATTGCA TGAAGTCATTTCATT
7972	HUVEC cDNA		AL157424		mRNA; cDNA DKFZp761E1512 (from clone DKFZp761E1512)		CTGCAAAGATTATTGGGGGACTAG
7973	HUVEC cDNA	Hs.240013	AL390148	9368882	mRNA; cDNA DKFZp547A166 (from clone DKFZp547A166)	1	TTTCATCTGGCCCACCCTCCTTAGAC TCTCCTCCCTTCAAGAGTTGGAGC
7974	HUVEC cDNA	Hs.22629	AW887820	8049833	602281231F1 cDNA, 5' end /clone=IMAGE:4368943 /clone_end=5'	1	GTGTAGAATTCGGATCCAGTCATCTC ACAGAACTTTCCACTAGGGTGCCA
7975	HUVEC cDNA	Hs 333414	BE562833	9806553	hypothetical protein MGC14151 (MGC14151), mRNA /cds=(108,485)	1	CGGACCCCAGTTTCTTGTACCAAGGG GGAAACATGCGGGGACCCCAATGG
7976	HUVEC cDNA	NA	BE612847	9894444	601452239F1 NIH_MGC_66 cDNA	1	TAAAGATGTCCGGGTACACTTCGCCA AGGGTTAGCGTCTTTGGGCATTTC
7977	HUVEC cDNA	Hs.86412	BE876332	10325018	clone IMAGE:3856304 5', mRNA chromosome 9 open reading frame 5	1	AACACAACACTAAAACCGAACACACA
7978	HUVEC cDNA	Hs.285814	BE906669	10400012	(C9orf5), mRNA /cds=(32,2767) sprouty (Drosophila) homolog 4	1	CGTACTAACACACCCACGACCCAA CCTTCTGGTTCTGCTTTTGACCAGCA
7979	HUVEC cDNA			10733439	(SPRY4), mRNA /cds=(205,525) ribosomal protein S25 (RPS25), mRNA	1	TTTTTGTGCCCCTCTGTTACTGTG GATATACGAAACACACCACTGGACGA
					/cds=(63,440)		TGCGAAAAACGAGACGACATAAGC TGGACAGGCATGAAAGGTTACAAATG
7980	HUVEC cDNA	Hs 263339	BF107006	10889631	602377929F1 cDNA, 5' end /clone=IMAGE:4508646 /clone_end=5'	1	GGAGAAAACTCACACACGTTATGT
7981	HUVEC cDNA	Hs.182426	BF204683	11098269	601867521F1 cDNA, 5' end /clone=IMAGE:4110052 /clone_end=5'	1	GCAGGAGAGCGAGAGAAGAA GAGGCAGGAGGGAGAAAGAGCGTAC
7982	HUVEC cDNA	Hs 75968	BF217687	11111273	thymosin, beta 4, X chromosome (TMSB4X), mRNA /cds=(77,211)	1	CAAGAAGCAGAAGCAGCAACCAGAG ACAGAGAGACAAACGCAGAACAACA
7983	HUVEC cDNA	. Hs.112318	BF237710	11151628	cDNA FLJ14633 fis, clone NT2RP2000938 /cds=UNKNOWN	1	AGAGGAAAGAATAGGACCAGTGCCG AGGTATAGGGAGGAGGGCATACTAA
7984	HUVEC cDNA	Hs 293981	BF247088	11162147	Homo sapiens, clone MGC:16393 IMAGE:3939021, mRNA, complete cds	1	TCGGAGTAAGGGCGATTGTCTCGTTA GGTAATACATCATCTTCGTGCATA
7985	HUVEC cDNA	Hs 157850	BF303931	11250608	/cds=(506,1900) Homo sapiens, clone MGC:15545 IMAGE:3050745, mRNA, complete cds	1	AGACAAGACGAGCAACGACAACCAC AGCAGCTCCATACACTCTGCCTCTC
7986	HUVEC cDNA	. Hs 217493	D00017	219909	/cds=(1045,1623) annexin A2 (ANXA2), mRNA /cds=(49,1068)	1	AGTGAAGTCTATGATGTGAAACACTT TGCCTCCTGTGTACTGTGTCATAA

7987	HUVEC cDNA	Hs.76549	D00099	219941	mRNA for Na,K-ATPase alpha-subunit,	1	TCACAAGACAGTCATCAGAACCAGTA
7988	HUVEC cDNA	Hs 330716	D10522	219893	complete cds /cds=(318,3389) cDNA FLJ14368 fis, clone	1	AATATCCGTCTGCCAGTTCGATCA AAACTCCTGCTTAAGGTGTTCTAATTT
7989	HUVEC cDNA	Hs 75929	D21255	575578	HEMBA1001122 /cds=UNKNOWN mRNA for OB-cadherin-2, complete	1	TCTGTGAGCACACTAAAAGCGAA CGTGCCAGATATAACTGTCTTGTTTC
7990	HUVEC cDNA	Hs 178710	D21260		cds /cds=(476,2557) clathrin, heavy polypeptide (Hc)	1	AGTGAGAGACGCCCTATTTCTATG TCCCTGAGGCTTGTGTATGTTGGATA
7991	HUVEC cDNA	Hs 334822	D23660		(CLTC), mRNA /cds=(172,5199) Homo sapiens, Similar to ribosomal	1	TTGTGGTGTTTTAGATCACTGAGT
			22000	102000	protein L4, clone MGC:2966	,	CAGAGAAGAAACCTACTACAGAGGA GAAGAAGCCTGCTGCATAAACTCTT
7000	LUIVEO -DNA	II. 000000	Doores		IMAGE.3139805, mRNA, complete cds /cds=(1616,2617)		
7992	HUVEC cDNA		D28500	7678803	hypothetical protein FLJ10326 (FLJ10326), mRNA /cds=(2,2296)	1	TCAGAACATAGATATGTATTCAGCTT GTCTTCAAATACGGCCAAGCAGAA
7993	HUVEC cDNA	Hs.151761	D43947	603948	KIAA0100 gene product (KIAA0100), mRNA /cds=(329,6607)	1	TTGGGGTCAAGTGAAAGGGTAGGGG GATAGTCCTGATCAAGTGTGATAAA
7994	HUVEC cDNA	Hs 699	D50525	1167502	peptidylprolyl isomerase B (cyclophilin B) (PPIB), mRNA /cds=(21,671)	1	CAGCAAATCCATCTGAACTGTGGAGG AGAAGCTCTCTTTACTGAGGGTGC
7995	HUVEC cDNA	Hs.278607	D50911	6633996		1	CCTTCTCTTCATGTGTGTAAATCTGTA ATATACCATTCTCTGTGGCCTGT
7996	HUVEC cDNA	Hs.57729	D50922	1460196	/cds=(0,1577)		
7997					Kelch-like ECH-associated protein 1 (KIAA0132), mRNA /cds=(112,1986)	1	GGATGGCACTTCCCCACCGGATGGA CAGTTATTTTGTTGATAAGTAACCC
1991	HUVEC cDNA	ns.240770	D59253	1060898	Homo sapiens, nuclear cap binding protein subunit 2, 20kD, clone	1	TGAGTCAGTGTCTTTACTGAGCTGGA AGCCTCTGAAAGTTATTAAAGGCA
					MGC 4991 IMAGE:3458927, mRNA, complete cds /cds=(26,496)		
7998	HUVEC cDNA	Hs.155595	D63878	961447	neural precursor cell expressed, developmentally down-regulated 5	1	CCCACACTGCTACACTTCTGATCCCC TTTGGTTTTACTACCCAAATCTAA
7999	HUVEC cDNA	Hs 80712	D86957	1503987	(NEDD5), mRNA /cds=(258,1343)	1	
8000	HUVEC cDNA		D86970		/cds=(0,1527) mRNA for KIAA0216 gene, complete		GTGGCTTGCTAGTCTGTTACGTTAAC ATGCTTTTCTAAAATTGCTTCACG
8001	HUVEC cDNA				cds /cds=(484,5229)	1	TTGTACTCACTGGGCTGTGCTCTCCC CTGTTTACCCGATGTATGGAAATA
0001	HOVEC CDIVA	ПS. 170311	D89678	3218539	heterogeneous nuclear ribonucleoprotein D-like (HNRPDL),	1	TTTATGATTAGGTGACGAGTTGACAT TGAGATTGTCCTTTTCCCCTGATC
8002	HUVEC cDNA	Hs.83213	J02874	178346	transcript variant 1, mRNA fatty acid binding protein 4, adipocyte	1	TTGTTGTTTTCCCTGATTTAGCAAGCA
8003	HUVEC cDNA	Hs.177766	J03473	337423	(FABP4), mRNA /cds=(47,445) ADP-ribosyltransferase (NAD+; poly	1	AGTAATTTTCTCCCAAGCTGATT TTAGAAACAAAAAGAGCTTTCCTTCT
					(ADP-ribose) polymerase) (ADPRT), mRNA /cds=(159,3203)		CCAGGAATACTGAACATGGGAGCT
8004	HUVEC cDNA	Hs.155560	L10284	186522	calnexin (CANX), mRNA /cds=(89,1867)	1	CCATTGTTGTCAAATGCCCAGTGTCC
8005	HUVEC cDNA	Hs.75693	L13977	431320	prolylcarboxypeptidase (angiotensinase C) (PRCP), mRNA /cds=(29,1519)	1	ATCAGATGTGTTCCTCCATTTTCT GATGTCTGGTGCCCAATCCCAGGAA
8006	HUVEC cDNA	Hs.539	L31610	1220360	ribosomal protein S29 (RPS29), mRNA	1	GTGAGAGCCATTTCTTTTGTACTGG AGTTGGACTAAATGCTCTTCCTTCAG
8007	HUVEC cDNA	Hs.1742	L33075	536843	/cds=(30,200) IQ motif containing GTPase activating	1	AGGATTATCCGGGGCATCTACTCA TGAATTTACTTCCTCCCAAGAGTTTG
					protein 1 (IQGAP1), mRNA /cds=(467,5440)		GACTGCCCGTCAGATTGTTTCTGC
	HUVEC cDNA		L38951	893287	importin beta subunit mRNA, complete cds /cds=(337,2967)	1	AAACACATACACACAAAACAGCAAAC TTCAGGTAACTATTTTGGATTGCA
8009	HUVEC cDNA	Hs.79572	M11233	181179	cathepsin D (lysosomal aspartyl protease) (CTSD), mRNA	1	CTGAGGATGAGCTGGAAGGAGTGAG AGGGGACAAAACCCACCTTGTTGGA
8010	HUVEC cDNA	Hs 273415	M11560	178350	/cds=(2,1240) aldolase A, fructose-bisphosphate	1	TCTTTCTTCCCTCGTGACAGTGGTGT
	HUVEC cDNA		M14328		(ALDOA), mRNA /cds=(167,1261) enolase 1, (alpha) (ENO1), mRNA	1	GTGGTGTCGTCTGTGAATGCTAAG
	HUVEC cDNA		M20867		/cds=(94,1398)		GCTAGATCCCCGGTGGTTTTTGTGCTC AAAATAAAAAGCCTCAGTGACCCA
	HUVEC cDNA				yz35c09 s1 cDNA, 3' end /clone=IMAGE:285040 /clone_end=3'	1	GCATGGCTTAACCTGGTGATAAAAGC AGTTATTAAAAGTCTACGTTTTCC
0013	HUVEC CDINA	HS.1239	M22324	1/8535	alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M,	1	CCGCCCTGTACCCTCTTTCACCTTTC CCTAAAGACCCTAAATCTGAGGAA
					microsomal aminopeptidase, CD13, p150) (ANPEP), mRNA		
8014	HUVEC cDNA	Hs.118126	M22960	190282	protective protein for beta- galactosidase (galactosialidosis)	1	GGACAGCCCACAGGGAGGTGGTGGA CGGACTGTAATTGATAGATTGATTA
8015	HUVEC cDNA	Hs.198281	M26252	338826	(PPGB), mRNA /cds=(6,1448) pyruvate kinase, muscle (PKM2),	1	ATTGAAGCCGACTCTGGCCCTGGCC
	HUVEC cDNA		M31166	339991	mRNA /cds=(109,1704) pentaxin-related gene, rapidly induced		CTTACTTGCTTCTCTAGCTCTCTAG
	HUVEC cDNA		M59849		by IL-1 beta (PTX3), mRNA		ACTAGACTTTATGCCATGGTGCTTTC AGTTTAATGCTGTGTCTCTGTCAG
•			1100040	102091	fibrilların (FBL), mRNA /cds=(59,1024)	1	GAGCCATATGAAAGAGACCATGCCGT GGTCGTGGGAGTGTACAGGCCACC

8018	HUVEC cDNA	Hs 283473	M64098	183891		1	ATAACAGACTCCAGCTCCTGGTCCAC
8019	HUVEC cDNA	Hs.211573	M85289	184426	(PRO2900), mRNA /cds=(271,501) heparan sulfate proteoglycan 2	1	CCGGCATGTCAGTCAGCACTCTGG CTGGCCTCTGTGTCCTAGAAGGGAC
8020	HUVEC cDNA	Hs.75103	M86400	189952	(perlecan) (HSPG2), mRNA tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein,	1	CCTCCTGTGGTCTTTGTCTTGATTT CCCAAAGCTCACTTTACAAAATATTTC CTCAGTACTTTGCAGAAAACACC
8021	HUVEC cDNA	Hs 59271	M96982	338262	zeta polypeptide (YWHAZ), mRNA /cds=(84,821) U2(RNU2) small nuclear RNA auxillary	1	ATGTCTGCTAGAAAGTGTTGTAGTTG
8022	HINGS ADMA	LI- 440000	NIM COOFFE		factor 1 (non-standard symbol) (U2AF1), mRNA /cds=(38,760)		ATTGACCAAACCAGTTCATAAGGG
	HUVEC cDNA		NM_000552		von Willebrand factor (VWF), mRNA /cds=(310,8751)	1	CTCTGCATGTTCTGCTCTTGTGCCCT TCTGAGCCCACAATAAAGGCTGAG
8023	HUVEC cDNA	Hs.274466	NM_001403	4503472	eukaryotic translation elongation factor 1 alpha 1-like 14 (EEF1A1L14), mRNA /cds=(620,1816)	1	TGCATCGTAAAACCTTTCAGAAGGAA AGGAGAATGTTTTGTGGACACGTT
8024	HUVEC cDNA	Hs.279518	NM_001642	4502146	amyloid beta (A4) precursor-like protein	1	AGCCCTATTCATGTCTCTACCCACTA
8025	HUVEC cDNA	Hs.76224	NM_004105	9665261	2 (APLP2), mRNA /cds=(72,2363) EGF-containing fibulin-like extracellular matrix protein 1 (EFEMP1), transcript	1	TGCACAGATTAAACTTCACCTACA AGTGACAGTGAACTTAAGCAAATTAC CCTCCTACCCAATTCTATGGAATA
8026	HUVEC cDNA	Hs 19545	NM_012193	6912383	variant 1, mRNA /cds=(149,1630) frizzled (Drosophila) homolog 4 (FZD4),	1	ACACATGCCCTGAATGAATTGCTAAA
8027	HUVEC cDNA	Hs.87125	NM_014600	7657055	mRNA /cds=(306,1919) EH-domain containing 3 (EHD3),	1	TTTCAAAGGAAATGGACCCTGCTT GCCACTGAACCAATCACTTTGTATGC
8028	HUVEC cDNA	Hs.119503	NM_016091	7705432	mRNA /cds=(285,1892) HSPC025 (HSPC025), mRNA	1	TATGCTCCTACTGTGATGGAAAAC AGGACCGAAGTGTTTCAAGTGGATCT
8029	HUVEC cDNA	Hs.7905	NM_016224	7706705	/cds=(33,1727) SH3 and PX domain-containing protein	1	CAGTAAAGGATCTTTGGAGCCAGA TTCAATGGAAAATGAGGGGTTTCTCC
8030	HUVEC cDNA	Hs.283722	NM_020151	9910251	SH3PX1 (SH3PX1), mRNA GTT1 protein (GTT1), mRNA	1	CCACTGATATTTTACATAGAGTCA GCTCCATGTTCTGACTTAGGGCAATT
8031	HUVEC cDNA	Hs.286233	NM_020414	14251213	/cds=(553,1440) sperm autoantigenic protein 17	1	TGATTCTGCACTTGGGGTCTGTCT GCAGCAGCTTAATTTTTCTGTATTGC
8032	HUVEC cDNA	Hs.272822	S56985	298485	(SPA17), mRNA /cds=(1210,1665) RuvB (E coli homolog)-like 1	1	AGTGTTTATAGGCTTCTTGTGTGT ACCTCCCACTTTGTCTGTACATACTG
8033	HUVEC cDNA	Hs 279518	S60099	300168	(RUVBL1), mRNA /cds=(76,1446) amyloid beta (A4) precursor-like protein	1	GCCTCTGTGATTACATAGATCAGC AGCCCTATTCATGTCTCTACCCACTA
8034	HUVEC cDNA	Hs.194662	S80562		2 (APLP2), mRNA /cds=(72,2363) calponin 3, acidic (CNN3), mRNA	1	TGCACAGATTAAACTTCACCTACA ACATGGAAGACTAAACTCATGCTTAT
8035	HUVEC cDNA	Hs.76669	U08021		/cds=(83,1072) nicotinamide N-methyltransferase	1	TGCTAAATGTGGTCTTTGCCAACT AGACCCCTGTGATGCCTGTGACCTCA
8036	HUVEC cDNA	Hs.89657	U13991		(NNMT), mRNA /cds=(117,911) TATA box binding protein (TBP)-	1	ATTAAAGCAATTCCTTTGACCTGT CGCACTACTTCACCTGAGCCACCCAA
					associated factor, RNA polymerase II, H, 30kD (TAF2H), mRNA /cds=(17,673)	•	CCTAAATGTACTTATCTGTCCCCA
8037	HUVEC cDNA	Hs.1516	U20982	695253	insulin-like growth factor binding protein- 4 (IGFBP4) gene, promoter and	1	CTGTAGACTCAGTGCCAGCCACAGCT
8038	HUVEC cDNA	Hs 183648	U22816	930342		1	TCAGAGATTGTGCTCACATGGTAT TGACAAAGGATTTTACGTTTATAAAAT
					protein (liprin), alpha 1 (PPFIA1), mRNA /cds=(229,3837)		TATGACAGAAGCCATGTGCCCCG
8039	HUVEC cDNA	Hs.83383	U25182	799380	thioredoxin peroxidase (antioxidant enzyme) (AOE372), mRNA	1	GTCTGCCCTGCTGGCTGGAAACCTG
8040	HUVEC cDNA	Hs.75888	U30255	984324	phosphogluconate dehydrogenase (PGD), mRNA /cds=(6,1457)	1	CTCGTCATACAATGCCTGATGGGCTC
8041	HUVEC cDNA	Hs.169476	U34995	1497857	Homo sapiens, glyceraldehyde-3-	1	CTGTCACCCTCCACGTCTCCACAG CTAGGGAGCCGCACCTTATCATGTAC
					phosphate dehydrogenase, clone MGC:10926 IMAGE:3628129, mRNA,		CATCAATAAAGTACCCTGTGCTCA
8042	HUVEC cDNA	Hs.192023	U39067	1718194	complete cds /cds=(2306,3313) eukaryotic translation initiation factor 3,	1	TCCGTATCCATTACTTCGACCCACAG
8043	HUVEC cDNA	Uo 155027	1147077	40570040	subunit 2 (beta, 36kD) (EIF3S2), mRNA /cds=(17,994)		TACTTTGAATTTGAGTTTGAGGCT
0040	TIOVEC CONA	HS 155657	047077	135/0016	DNA-dependent protein kinase catalytic subunit (DNA-PKcs) mRNA,	1	CCAGTCCTCCACACCCAAACTGTTTC TGATTGGCTTTTTAGCTTTTTTTTTG
8044	HUVEC cDNA	Hs.285313	U51869	2745959	complete cds /cds=(57,12443) core promoter element binding protein	1	CTGTTGTCTCTCTGAGGCTGCCAGTT
8045	HUVEC cDNA	Hs.184270	U56637	1336098	(COPEB), mRNA /cds=(117,968) capping protein (actin filament) muscle Z-line, alpha 1 (CAPZA1), mRNA	1	GTTGTGTGTTACCGATGCCAGAAG AATATAGTCAAGCAAGTTTGTTCCAG GTGACCCATTGAGCTGTGTATGCA
8046	HUVEC cDNA	Hs.75064	U61234	1465773	/cds=(0,860) tubulin-specific chaperone c (TBCC),	1	TTTGCTATTTTCGTCATGCCTTTGAGA
8047	HUVEC cDNA	Hs.183684	U73824	1857236	mRNA /cds=(23,1063) eukaryotic translation initiation factor 4	1	CTGAGTCTTACTCCGTCCCCCAG TTGTGGGTGTGAAACAAATGGTGAGA
					gamma, 2 (EIF4G2), mRNA /cds=(306,3029)		ATTTGAATTGGTCCCTCCTATTAT

8048	HUVEC cDNA	Hs.165263	U89278	1877500	early development regulator 2 (homolog of polyhomeotic 2) (EDR2), mRNA /cds=(8,1309)	1	CAGGAAGGAGGTAGGCACCTTTCTG AGCTTATTCTATTC
8049	HUVEC cDNA	Hs.334703	W29012	1308969	Homo sapiens, clone IMAGE 3875338,	1	GGGAGCCATCCCTCTCTACCAAGGT
8050	HUVEC cDNA	Hs 287820	X02761	31396	mRNA, partial cds /cds=(0,930) mRNA for fibronectin (FN precursor) /cds=(0,6987)	1	GGCAATGATGGAGGGAACTTGCATG TGGCCCGCAATACTGTAGGAACAAG
8051	HUVEC cDNA	Hs.14376	X04098	28338	actin, gamma 1 (ACTG1), mRNA /cds=(74,1201)	1	CATGATCTTGTTACTGTGATATTTT GGTTTTCTACTGTTATGTGAGAACATT AGGCCCCAGCAACACGTCATTGT
8052	HUVEC cDNA	Hs.290070	X04412	35447	gelsolin (amyloidosis, Finnish type)	1	AGCCCTGCAAAAATTCAGAGTCCTTG
8053	HUVEC cDNA	Hs.79086	X06323	34753	(GSN), mRNA /cds=(14,2362) mitochondrial ribosomal protein L3 (MRPL3), mRNA /cds=(76,1122)	1	CAAAATTGTCTAAAATGTCAGTGT TGGGGACTATAGTGCAACCTATTTGG
8054	HUVEC cDNA	Hs.287797	X07979	31441	mRNA for FLJ00043 protein, partial cds /cds=(0,4248)	1	GTAAAGAAACCATTTGCTAAAATG ACCACTGTATGTTTACTTCTCACCATT TGAGTTGCCCATCTTGTTTCACA
8055	HUVEC cDNA	Hs.87409	X14787	37464	thrombospondin 1 (THBS1), mRNA /cds=(111,3623)	1	TTGACCTCCCATTTTTACTATTTGCCA ATACCTTTTTCTAGGAATGTGCT
8056	HUVEC cDNA	Hs.82202	X53777	34198		1	GAGGAGGTTGCCCAGAAGAAAAAGA TATCCCAGAAGAAACTGAAGAAACA
8057	HUVEC cDNA	Hs.233936	X54304	34755	myosin, light polypeptide, regulatory, non-sarcomeric (20kD) (MLCB), mRNA /cds=(114,629)	1	AACCTACCAGCCCTTCTCCCCCAATA ACTGTGGGTCTATACAGAGTCAAT
8058	HUVEC cDNA	Hs 74405	X57347	32463	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide (YWHAQ), mRNA /cds=(100,837)	1	AGAGAGTTGGACCACTATTGTGTGTT GCTAATCATTGACTGTAGTCCCAA
8059	HUVEC cDNA	Hs.77813	X59960	402620		1	CCCTGTACTGCTGCTGCGACCTGATG CTGCCAGTCTGTTAAAATAAAGAT
8060	HUVEC cDNA	Hs.172690	X62535	30822	diacylglycerol kinase, alpha (80kD) (DGKA), mRNA /cds=(103,2310)	1	ACACACATACACACACCCCAAAACAC ATACATTGAAAGTGCCTCATCTGA
8061	HUVEC cDNA	Hs.272822	X63527	36127	RuvB (E coli homolog)-like 1	1	ACCTCCCACTTTGTCTGTACATACTG
8062	HUVEC cDNA	Hs.119529	X67698	37476	(RUVBL1), mRNA /cds=(76,1446) epididymal secretory protein (19.5kD)	1	GCCTCTGTGATTACATAGATCAGC AACAACATTAACTTGTGGCCTCTTTCT
8063	HUVEC cDNA	Hs 211579	X68264	433891	(HE1), mRNA /cds=(10,465) MUC18 gene exons 1&2	1	ACACCTGGAAATTTACTCTTGAA TCTCTGCTCAATCTCTGCTTGGCTCC
8064	HUVEC cDNA	Hs.75061	X70326	38434	/cds=(26,1966) macrophage myristoylated alanine-rich C kinase substrate (MACMARCKS),	1	AAGGACCTGGGATCTCCTGGTACG TGTCTTACTCAAGTTCAAACCTCCAG CCTGTGAATCAACTGTGTCTCTTT
8065	HUVEC cDNA	Hs.31314	X72841	297903	mRNA /cds=(13,600) retinoblastoma-binding protein 7	1	AACTTTTACACTTTTTCCTTCCAACAC
8066	HUVEC cDNA	Hs.79088	X78669	469884	(RBBP7), mRNA /cds=(287,1564) reticulocalbin 2, EF-hand calcium	1	TTCTTGATTGGCTTTGCAGAAAT TGGTGAGTGGAATTTGACATTGTCCA
8067	HUVEC cDNA	Hs.7957	X79448	2326523	binding domain (RCN2), mRNA adenosine deaminase, RNA-specific	1	AACCTTTTCATTTTTGAGTGATT GAGTGAGGAAGACCCCCAAGCATAG
					(ADAR), transcript variant ADAR-a, mRNA /cds=(187,3867)		ACTCGGGTACTGTGATGATGGCTGC
8068	HUVEC cDNA	Hs.76206	X79981	599833	cadherin 5, type 2, VE-cadherin (vascular epithelium) (CDH5), mRNA	1	TGGCAAAGCCCCTCACACTGCAAGG GATTGTAGATAACACTGACTTGTTT
8069	HUVEC cDNA	Hs.172182	Y00345	35569	/cds=(120,2474) poly(A)-binding protein, cytoplasmic 1	1	GGAAAGGAAACTTTGAACCTTATGTA
8070	HUVEC cDNA	Hs.180414	Y00371	32466	(PABPC1), mRNA /cds=(502,2403) hsc70 gene for 71 kd heat shock cognate protein	1	CCGAGCAAATGCCAGGTCTAGCAA AGTTAAGATTATTCAGAAGGTCGGGG
8071	HUVEC cDNA	Hs.75216	Y00815	34266	protein tyrosine phosphatase, receptor	1	ATTGGAGCTAAGCTGCCACCTGGT TTACCTTGTGGATGCTAGTGCTGTAG
8072	HUVEC cDNA	Hs.65114	Y07604	1945761	(1	AGTTCACTGTTGTACACAGTCTGT GGGGTCTTCACATTATCATAACCTCT
8073	HUVEC cDNA	Hs.113503	Y08890	2253155	/cds=(51,1343) Homo spaiens mRNA for Ran_GTP binding protein 5 (RanBP5(Importin5)	1	CCTCTAAAGGGGAGGCATTAAAAT TTTCCTTGTGCAATTCAGACTTAAGC ATCGAGTTTTTACCATCTTCCACT
8074	HUVEC cDNA	Hs.44499	Y09703	4581462	gene) /cds=(236,3529) pinin, desmosome associated protein	1	ACATGTGCAAATAAATGTGGCTTAGA
8075	HUVEC cDNA	Hs.8867	Y11307	2791897	(PNN), mRNA /cds=(30,2261) cysteine-rich, angiogenic inducer, 61	1	CTTGTGTGACTGCTTAAGACTAAA AAATGTAGCTTTTGGGGAGGGAGGG
8076	HUVEC cDNA	Hs 90061	Y12711	6759555	(CYR61), mRNA /cds=(80,1225) progesterone receptor membrane component 1 (PGRMC1), mRNA	1	GAAATGTAATACTGGAATAATTTGT ACCCACTGCAAAAGTAGTAGTCAAGT GTCTAGGTCTTTGATATTGCTCTT
8077	HUVEC cDNA	Hs 101033	Y14391	6562622	/cds=(78,665) Pseudoautosomal GTP-binding protein-	1	GCCTGCTGTGAACTGCTTTCCCTCGG
8078	HUVEC cDNA	Hs 24322	Y15286	2584788	like (PGPL), mRNA /cds=(329,1540) ATPase, H+ transporting, lysosomal	1	AATGTTTCCGTAACAGGACATTAA GAAGAGCCATCTCAACAGAATCGCAC
8079	HUVEC cDNA	Hs 2010n4	731606		(vacuolar proton pump) 9kD (ATP6H), mRNA /cds=(62,307)		CAAACTATACTTTCAGGATGAATT
2373	VEG CDINA	113.231304	~0 t030	479156	accessory proteins BAP31/BAP29 (DXS1357E), mRNA /cds=(136,876)		AGGAGGGTGGGTGGAC TGGAGTTTCTCTTGAGGGCAATAAA

8080	HUVEC cDNA	Hs 180877	Z48950	761715	clone PP781 unknown mRNA	1	TGCTTGATTAAGATGCCATAATAGTG
8081	HUVEC cDNA	Hs.289101	Z49835	860985	/cds=(113,523) glucose regulated protein, 58kD (GRP58), mRNA /cds=(0,1517)	1	CTGTATTTGCAGTGTGGGCTAAGA TTGGGGGAAATGTTGTGGGGGTGGG
8082	HUVEC cDNA	Hs 10340	AK000452	7020548	hypothetical protein FLJ20445 (FLJ20445), mRNA /cds=(334,1170)	1	GTTGAGTTGGGGGTATTTTCTAATT AGCATGGTAAACCTGGGTTTTGTTCA TATTTTCTCCAGACAGAAATGCAA
8083	HUVEC cDNA	Hs 194676	AK001313	7022490	tumor necrosis factor receptor superfamily, member 6b, decoy (TNFRSF6B), transcript variant 2,	1	GGTCTCTTTGACTAATCACCAAAAAG CAACCAACTTAGCCAGTTTTATTT
8084	HUVEC cDNA	Hs.808	AK001364	7022577	heterogeneous nuclear ribonucleoprotein F (HNRPF), mRNA	1	GCCCTTGATGCTGGAGTCACATCTGT
8085	HUVEC cDNA	Hs 15978	AK002211	7023952	cDNA FLJ11349 fis, clone PLACE4000650, weakly similar to TUBERIN /cds=UNKNOWN	1	TGATAGCTGGAGAACTTTAGTTTC GCCGATTCCAAGCGAGGGATTTAATC CTTACATTTTTGCCCATTTGGCTC
8086	HUVEC cDNA	Hs.29692	AK021498	10432693	cDNA FLJ11436 fis, clone HEMBA1001213 /cds=UNKNOWN	1	TTCCCTGGACAGTTTGATGTGCTTAT GGTTGAGATTTATAATCTGCTTGT
8087	HUVEC cDNA	Hs.109672	AK023900	10435975	Homo sapiens, Similar to sialytransferase 7 ((alpha-N-acetylneuraminyl 2,3-betagalactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialytransferase) F, clone MGC:14252	1	GGCGGTGACTGCCCCAGACTTGGTT TTGTAATGATTTGTACAGGAATAAA
8088	HUVEC cDNA	Hs.25635	AK024039	10436304	Y79AA1001603, weakly similar to POLYPEPTIDE N- ACETYLGALACTOSAMINYLTRANSF	1	TGACCATTTGGAGGGGGCCGGGCCTC CTAGAAGAACCTTCTTAGACAATGG
8089	HUVEC cDNA	Hs.288967	AK024167	10436481	ERASE (EC 2.4.1.41) /cds=(418,1791) cDNA FLJ14105 fis, clone MAMMA1001202 /cds=UNKNOWN	1	CAGTCCTCACACCAGCCAAGGTCACA GGCAAGAGCAAGAAGAGAAACTGA
8090	HUVEC cDNA	Hs.25001	AK024230	10436557	cDNA FLJ14168 fis, clone NT2RP2001440, highly similar to	1	CCTCAGTGATGGAATATCATGAATGT GAGTCATTATGTAGCTGTCGTACA
8091	HUVEC cDNA	Hs.6101	AK025006	10437439	,,,	1	ACACACAACTTCAGCTTTGCATCACG
8092	HUVEC cDNA	Hs.322680	AK025200	10437664	(MGC3178), mRNA /cds=(81,1055) cDNA: FLJ21547 fis, clone COL06206 /cds=UNKNOWN	1	AGTCTTGTATTCCAAGAAAATCAA GGAATTTCGCACCAGAGGACCCACC
8093	HUVEC cDNA	Hs.288061	AK025375	10437878	actin, beta (ACTB), mRNA	1	ACGTCCTCGCTTCGACATCTTGAAC GGAGGCAGCCAGGGCTTACCTGTAC
8094	HUVEC cDNA	Hs.288869	AK025842	10438480	/cds=(73,1200) nuclear receptor subfamily 2, group F, member 2 (NR2F2), mRNA /cds=(342,1586)	1	ACTGACTTGAGACCAGTTGAATAAA CAGAGAAAGAAAAGGCAAAAGACTG GTTTGTTTGCTTAATTTCCTTCTGT
8095	HUVEC cDNA	Hs.251653	AK026594	10439481	tubulin, beta, 2 (TUBB2), mRNA /cds=(0,1337)	1	GAAAGCAGGGAAGCAGTGTGAACTC TTTATTCACTCCCAGCCTGTCCTGT
8096	HUVEC cDNA	Hs.334842	AK026632	10439528	tubulin, alpha, ubiquitous (K-ALPHA-1), mRNA /cds=(67,1422)	1	TGGTTAGATTGTTTTCACTTGGTGAT CATGTCTTTTCCATGTGTACCTGT
8097	HUVEC cDNA	Hs.288036	AK026650	10439548	tRNA isopentenylpyrophosphate transferase (IPT), mRNA	1	TGCATCGTAAAACCTTCAGAAGGAAA GGAGAATGTTTTGTGGACCACTTT
8098	HUVEC cDNA	Hs.324406	AK026741	10439662	ribosomal protein L41 (RPL41), mRNA /cds=(83,160)	1	TGGACCTGTGACATTCTGGACTATTT
8099	HUVEC cDNA	Hs.274368	AK026775	10439706	MSTP032 protein (MSTP032), mRNA /cds=(68,319)	1	CTGTGTTTATTTGTGGCCGAGTGT TGCAACTAGCAACTCATCTTCGGAAG
8100	HUVEC cDNA	Hs.289071	AK027187	10440255	cDNA: FLJ22245 fis, clone HRC02612 /cds=UNKNOWN	1	ACACAGCCAGGAGAATGAAGTAGA GACTTTCCTCTCTGCGAGCTTCTACT
8101	HUVEC cDNA	Hs 334788	BG385658	13278634	hypothetical protein FLJ14639 (FLJ14639), mRNA /cds=(273,689)	1	TCTAAGTCTGAATCCAGTCAGAAA GTTTCTCTTTGGTTTTCCAGATTTTCT
8102	HUVEC cDNA	NA	NC_002090	9507429	many cloning vectors, kanamycin resistance, gene	1	TTAGAACGGTGACTGACCCTCCT CTGAGCAATAACTAGCATAACCCCTT GGGGCCTCTAAACGGGTCTTGAGG
8103	HUVEC cDNA	NA	U07360	476289	Human DXS1178 locus dinucleotide repeat polymorphism sequence	1	TGCCCATTTCACATTGCTCATTACTCA TGCAAATTTCTTCTTGCTAACCT
8104	HUVEC cDNA	Hs.230165	AA449779	2163529	zx09e02.s1 cDNA, 3' end /clone=IMAGE:785978 /clone end=3'	1	ACCCACCATTGGTAAAATATTCAGGG
8105	HUVEC cDNA	NA	Al000459	3191013	ot07c08.s1 NCI_CGAP_GC3 cDNA clone IMAGE:1614158 3' similar to	1	GAACTTGGTTTAAAAGTTTATGCT GTCAAATAAGGTTGTTCTTTCCTTGAA GGACAGCACCCATGCCACAGCAC
8106	HUVEC cDNA	Hs.172922	AI016204	3230540	gb:Y00361 60S RIBOSOMAL ot83f03.s1 cDNA, 3' end	1	CTGGAAAAACATCACATGGTTGAGTC
8107	HUVEC cDNA	Hs.96457	AI081571	3418363	/clone=IMAGE:1623389 /clone_end=3' ox59h10.s1 cDNA, 3' end /clone=IMAGE:1660675 /clone_end=3'	1	AAGGATGAAAAGTCAAAACTACCT ATCCATCCAATAAACACAGCAACACC
8108	HUVEC cDNA	NA	AI082318	3419110	/clone=IMAGE:1660675 /clone_end=3' ox72c08.x1 Soares_NhHMPu_S1 cDNA clone IMAGE:1661870 3' similar to gb:X63527 60S RIBOSOMAL	1	CTATGCTACTGACCAAGCAAAGCT TAGTTAGAGTCCAAGACATGGTTCCT CCCCCTTTGTCTGTACATCCTGGC
8109	HUVEC cDNA	Hs 145222	Al187426	3738064	qf31d08.x1 cDNA, 3' end /clone=IMAGE:1751631 /clone_end=3'	1	CAGCCTGCCTGCTTGCCATTTTTCTT
8110	HUVEC cDNA	Hs 273194	Al285483	3923716	ty56b02.x1 cDNA, 3' end /clone=IMAGE:2283051 /clone_end=3'	1	CCCCTTCCATTTTCTAACCTCAG ACTTCCTCCCCCTCCCCT

8111	HUVEC cDNA	Hs 238797	Al307808	4002412	602081661F1 cDNA, 5' end	1	AAGGAATTTGTTTTCCCTATCCTAACT
8112	HUVEC cDNA	Hs 135872	AW028193	5886949	/clone=IMAGE 4245999 /clone_end=5' wv61h08.x1 cDNA, 3' end	1	CAGTAACAGAGGGTTTACTCCGA TTTGCATCCCGAGTTTTGTATTCCAA
8113	HUVEC cDNA	Hs 244816	AW078847	6033999	/clone=IMAGE:2534079 /clone_end=3' xb18g07.x1 cDNA, 3' end	1	GAAAATCAAAGGGGGCCAATTTGT AAACAGGAAGGGGGTTTGGGCCCTT
8114	HUVEC cDNA	Hs.249863	AW162315	6301348	/clone=IMAGE.2576700 /clone_end=3'	1	TGATCAACTGGAACCTTTGGATCAAG AAAAACGGTTTATGGGGGTAGGGAAA CAGGCCGAAAAGAACGTGGAGAAA
8115	HUVEC cDNA	Hs 329930	AW170757	6402282	xj24e07.x1 cDNA, 3' end	1	GGGGACTCAGGCCCCCGCTGGGGGT
8116	HUVEC cDNA	Hs 23349	AW237511	6569900		1	CCCACATAGGGTTTTTATCCAAAAA TGTTGTTGGATACGTACTTAACTGGT
8117	HUVEC cDNA	NA	BE672733	10033274	/clone=IMAGE:3273292 /clone_end=3' 7b75g07.x1 NCI_CGAP_Lu24 cDNA clone IMAGE:3234108 3' similar to TR:O99231 O99231 CYTOCHROME	1	ATGCATCCCATGTCTTTGGGTACT TGAGAGCACACCATAAATTCACAGCA GGAATAAACGAAGACACACGAGCA
8118	HUVEC cDNA	Hs 288443	BF110312	10940002	7n36d08.x1 cDNA, 3' end /clone=IMAGE:3566654 /clone_end=3'	1	ACCAGGGCTTAAAACCTCAATTTATG
8119	HUVEC cDNA	Hs.111301	J03210	180670		1	TTCATGACAGTGGGGATTTTTCTT AGCCATAGAAGGTGTTCAGGTATTGC ACTGCCAACTCTTTGTCCGTTTTG
8120	HUVEC cDNA	Hs.82085	M14083	189566	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	1	CCATGCCCTTGTCATCAATCTTGAAT CCCATAGCTGCTTGAATCTGCTGC
8121	HUVEC cDNA	Hs.80120	Y10343	2292903	(SERPINE1), mRNA /cds=(75,1283) UDP-N-acetyl-alpha-D- galactosamine:polypeptide N- acetylgalactosaminyltransferase 1 (GalNAc-T1) (GALNT1), mRNA	1	TTAAGAATGTGGCAGAAATGTATGCT GAGGTAGCCCAGTCAATCCTTATT
8122	HUVEC cDNA	Hs.10340	AK000452	7020548	hypothetical protein FLJ20445 (FLJ20445), mRNA /cds=(334,1170)	1	ATCAGTAGCAAAACAAACCCAGCAAC
8123	HUVEC cDNA	Hs.73742	AK001313	7022490	cDNA FLJ10451 fis, clone NT2RP1000959, highly similar to acidic ribosomal phosphoprotein P0 mRNA	1	TTCTGTCCAGCATCTGCTGTAGGG CCCATCTAACTAGCACACGAACCTTC CACGAGGACGCCTGGCGAGAGAAG
8124	HUVEC cDNA	Hs.808	AK001364	7022577	/cds=UNKNOWN heterogeneous nuclear	1	GAACTTGGCAGTTGTAGCAGAGGCA
8125	HUVEC cDNA	Hs 15978	AK002211	7023952	ribonucleoprotein F (HNRPF), mRNA cDNA FLJ11349 fis, clone PLACE4000650, weakly similar to TUBERIN /cds=UNKNOWN	1	GTTGAGGCTTGTTGACCATCACCAT CGCTCTCCTGCACAGCACCACCAC CAACAGTCTGGATGATTTTAGGCA
8126	HUVEC cDNA	Hs.29692	AK021498	10432693	cDNA FLJ11436 fis, clone HEMBA1001213 /cds=UNKNOWN	1	TTTTGGGAAGAAACCCTATGCATCT
8127	HUVEC cDNA		AK023900	10435975	Homo sapiens, Similar to sialytransferase 7 ((alpha-N-acetylneuraminyl 2,3-betagalactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialytransferase) F, clone MGC:14252 IMAGE:4128833, mRNA, complete cds	1	GAAATACAATTGGCAATGGAAGCT CTCTTTGTTGCTACTCATTTCTCTCCG GCGTCTGCTGAGGGGTAGGTGTC
8128	HUVEC cDNA	Hs.25635	AK024039	10436304	cDNA FLJ13977 fis, clone Y79AA1001603, weakly similar to POLYPEPTIDE N- ACETYLGALACTOSAMINYLTRANSF ERASE (EC 2.4.1.41) /cds=(418,1791)	1	CAACTTCCTCTTGGTTACCCAGAAGA ACAGCAGCACCGTGATCCAGAGCA
8129	HUVEC cDNA	Hs.288967	AK024167	10436481	cDNA FLJ14105 fis, clone MAMMA1001202 /cds=UNKNOWN	1	CTGTACATCTGCATCCCAGCAAAGAG CAGCAGGGACAGGAGGGAGGAGAG
8130	HUVEC cDNA	Hs.25001	AK024230	10436557	cDNA FLJ14168 fis, clone NT2RP2001440, highly similar to mRNA for 14-3-3gamma	1	CACAGACAGAAGGTTTCGTTCCTCAT TCGACAGTGGCTCATTCAGCTCTG
8131	HUVEC cDNA	Hs.6101	AK025006	10437439	hypothetical protein MGC3178 (MGC3178), mRNA /cds=(81,1055)	1	TCAAGATTGGCAATTCACTGTGCCCA
8132	HUVEC cDNA	Hs 322680	AK025200		cDNA: FLJ21547 fis, clone COL06206 /cds=UNKNOWN	1	TTAAACCACTCAGTAGCTCAGCCT AGTTGTCCTGAGAGTTTTACACTTGT
8133	HUVEC cDNA	Hs.288061	AK025375	10437878	actin, beta (ACTB), mRNA /cds=(73,1200)	1	GAGAAAATACTGGCAGCTTTGATT CACATAGGAATCCTTCTGACCCATGC
8134	HUVEC cDNA	Hs.288869	AK025842	10438480	nuclear receptor subfamily 2, group F, member 2 (NR2F2), mRNA /cds=(342,1586)	1	CCACCATCACGCCCTGGTGCCTGG AACAGGAACCTTTATCTCTTTGTGAG GCGATTTGCATTCTCCACACAGGC
8135	HUVEC cDNA	Hs 251653	AK026594	10439481	tubulin, beta, 2 (TUBB2), mRNA /cds=(0,1337)	1	GTACTTGCCGCCGGTGGCCTCATTGT AGTACACGTTGATGCGTTCCAGCT
8136	HUVEC cDNA	Hs 278242	AK026632	10439528	Homo sapiens, clone MGC.3214 IMAGE:3502620, mRNA, complete cds /cds=(2066,3421)	1	ATAGTGGCTAGGGATTAGGAGGCGA AGGCGACAGGAGCAGACACCGGGTC
8137	HUVEC cDNA	Hs.181165	AK026650	10439548	eukaryotic translation elongation factor 1 alpha 1 (EEF1A1), mRNA	1	CATTTTGGCTTTTAGGGGTAGTTTTC ACGACACCTGTGTTCTGGCGGCAA

8138	HUVEC cDNA	Hs 108124	AK026741	10439662	cDNA FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	1	CCCTGGTTCAGGAATTAAGGGGACA GACTTGAATAAGAAACAAAACA
8139	HUVEC cDNA	Hs 274368	AK026775	10439706	MSTP032 protein (MSTP032), mRNA /cds=(68,319)	1	ACAGTAGAGAATTTGAGTACACAGGG TATGGAGAGTAGGGCACAAAATGT
8140	HUVEC cDNA	Hs 241507	AK027187	10440255	cDNA· FLJ23534 fis, clone LNG06974, highly similar to HUMRPS6A ribosomal protein S6 mRNA /cds=UNKNOWN	1	GAACAGCCTCGTCTTTCCCCGAATGC CAGGCAGGATGACGATGACGTGG
8141	HUVEC cDNA	Hs 334788	BG392671	13286119	hypothetical protein FLJ14639 (FLJ14639), mRNA /cds=(273,689)	1	GACCTCCAGAATTTCCTCATCGCTGT CGGTGACCAAGTCCACAGACACTA
8142	HUVEC cDNA	NA	NC_002090	9507429	many cloning vectors, kanamycin resistance, gene	1	TCTTGCCATCCTATGGAACTGCCTCG GTGAGTTTTCTCCTTCATTACAGA
8143	HUVEC cDNA	NA	U07360	476289	Human DXS1178 locus dinucleotide repeat polymorphism sequence	1	TGTTACTCCTTCAAGCCCCTGAATCA CTATAGCCACGACTCTCCAACTGA

TABLE 9: Cardiac Transplant patient RNA samples and array hybridizations

Patient #	Sample	Rejection Grade	RNA Yield (µg)	Hybridization #
	1			
14-0001	2	3A	13.6	107739
	3	1A	5.83	107740
	1			
14-0002	2		144	
	3			
	1	0	12.8	
14-0003	2			
	3		1	
14-0004	1		**	
14-0004	2		:	
	1	3A	1.08	107741
14-0005	2	0	11.2	107742
14-0003	3			
	4			
	1	2	2.02	
14-0006	2			100
	3	****		

TABLE 10: Differentially expressed probes between samples from patients with high and low grade rejection:

Oligo#	Gene Represented							
7401	cDNA clone IMAGE:915561							
1796	amphiregulin							
4423	partial IGVH3 gene for immunoglobulin heavy chain V region							
4429	partial IGVL1 gene for immunoglobulin lambda light chain V region							
4430	partial IGVH3 DP29 gene for immunoglobulin heavy chain V region							
4767	cDNA clone COL09252, highly similar to CD24							
4829	oncostatin M							
8091	mRNA for a predicted protein							